

SERVICE MANUAL

FTD-G931AS

FTD-G931AS/BK

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Revision List

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1.MONITOR SPECIFICATIONS

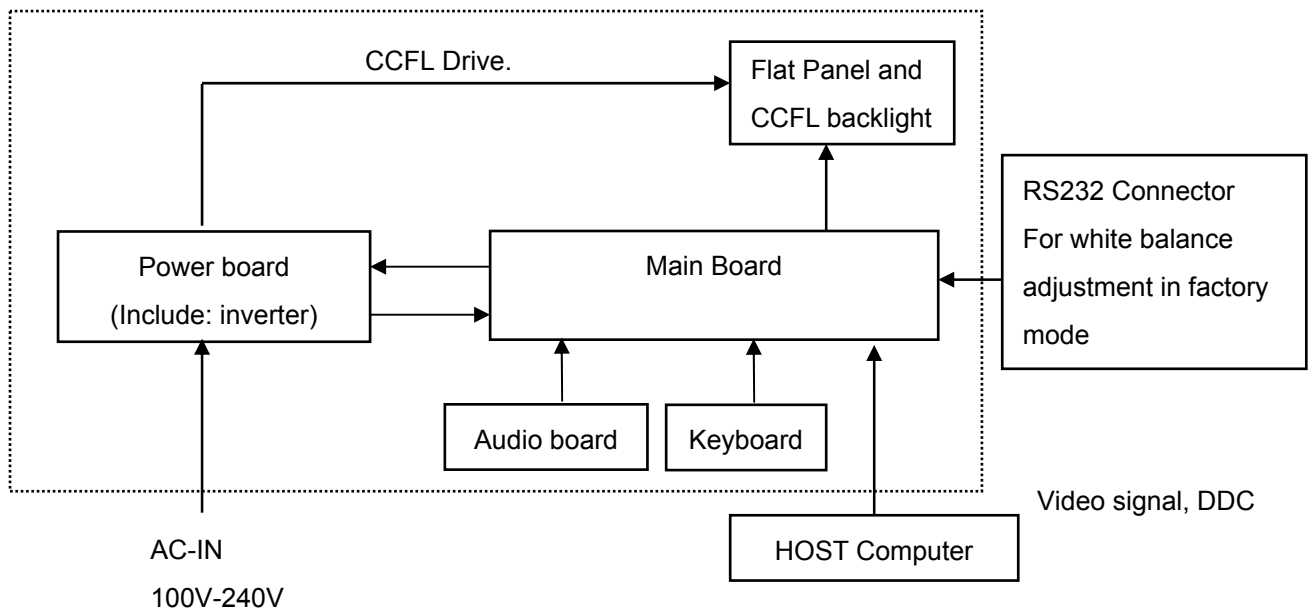
LCD Panel	Driving system	TFT LCD
	Size	19.0"(48.18cm)
	Active Area	Horizontal: 376.32mm Vertical: 301.056mm
	Panel	AU M190EN03
	Pixel pitch	0.294mm(H) x 0.294mm(V)
	Viewing angle	170(H) 170(V) (CR>10)
	Luminance	250 cd/m ² (typ)
	Contrast Ratio	800:1 (typ)
	Response time	20ms (typ)
	Display colors	16.7M Colors
Input	R G B	0.7Vp-p
	H/V separate	TTL level
	DDC signals	TTL level
	Horizontal frequency	24kHz~80kHz
	Vertical rate	55-75Hz
	Resolutions	640 x 480 up to 1280 x 1024
	Audio	3W x2
	AC voltage	100~240V (+/-10%) AC
Power consumption	Normal operation	≤27.5W
	Power off	≤2W
Operating condition	Temperature	0-50°C
	Humidity	15-90%
	Altitude	12,000 feet
Storage condition	Temperature	-20-60°C
	Humidity	15-90%
	Altitude	40,000 feet

2.LCD MONITOR DESCRIPTION

The LCD MONITOR will contain an main board, an inverter/power board, an audio board, keypad board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.

Monitor Block Diagram



3. OPERATING INSTRUCTIONS

3.1 GENERAL INSTRUCTIONS

Press the power button to turn the monitor on or off. The other control buttons are located at front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

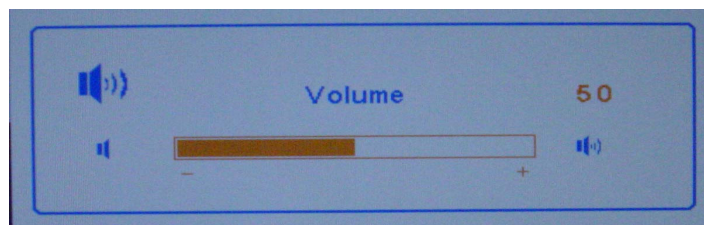
- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.

3.2 OPERATING INSTRUCTIONS



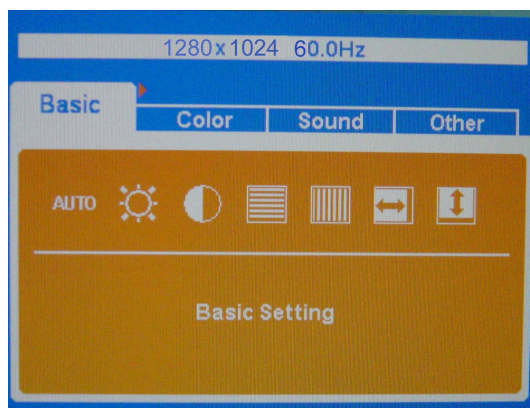
NO.		Within OSD	Without OSD
1	Power Button	Turn on/off	Turn on/off
2	MENU Button	1.Enter the OSD sub menu 2.Select the OSD menu	Open OSD menu
3	Left Arrow/- Button	1.Move the cursor to left 2.Adjust down when menu item selected	Open Bright menu
4	Right Arrow/+ Button	1.Move the cursor to left 2.Adjust down when menu item selected	Open the Volume menu
5	Exit Button	1.Exit Sub menu 2. Exit the menu item	Run the Auto Adjust when this button keep to push for 1 second

Hot keys



Button	Function	Remark
Left Arrow/- Button	To change the ECO mode and MAX mode and User mode	The item adjust the power consumption to change the luminance
Right Arrow/+ Button	To Adjust the Volume	When Mute function is ON, if they change the volume then mute function is off
Exit Button	To run the Auto Adjust	When this button keep to push for 1 seconds








3.3 ADJUSTING THE PICTURE









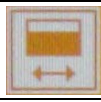
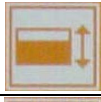






Steps:

1. Press MENU button to display OSD main menu, Press Left button or Right button may select other main Menu.
2. Press MENU button to adjust items of each main menu.
3. Press Left button or Right button may select item you wish to enter.
4. Press MENU button to enter, and press Left button or Right button to adjust item you select.
5. Press EXIT button may back previous menu.
6. Repeat steps 2-5 to adjust an additional item, or select the EXIT button to return to previous menu.

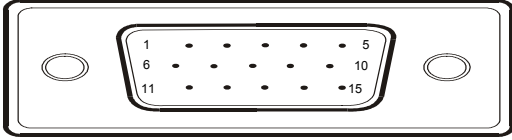
The description for control function:

Main Menu Item	Sub Menu Item	Sub Menu Icon	Description
Basic	Auto		Auto Adjust the H/V Position, Phase and Clock of picture
	Brightness		Backlight Adjustment
	Contrast		Contrast from Digital-register
	Phase		Adjust Picture Phase to reduce Horizontal-Line noise
	Clock		Adjust picture Clock to reduce Vertical-Line noise
	H. Position		Adjust the horizontal position of the picture
	V. Position		Adjust the vertical position of the picture

Main Menu Item	Sub Menu Item	Sub Menu Icon	Description
Color	Auto		Auto adjust color
	Color Temp		Recall Color Temperature from EEPROM
	Red Setting		Red Gain from Digital-register
	Green Setting		Green Gain from Digital-register
	Blue Setting		Blue Gain from Digital-register
Sound	Volume		Audio adjustment
	Mute		Audio prohibition
Other	OSD language		OSD language selection (English or Japanese)
	OSD H-Position		Adjust the horizontal position of the OSD
	OSD V-Position		Adjust the vertical position of the OSD
	OSD Transparency		OSD Transparency adjustment
	Smoothing		Smoothing adjustment
	Information		Show the resolution, H/V frequency and input port of current input timing
	Reset		Recall factory mode

4. INPUT/OUTPUT SPECIFICATION

4.1 INPUT SIGNAL CONNECTOR

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	Red	9.	+5V
2.	Green	10.	Detect Cable
3.	Blue	11.	NC
4.	Ground	12.	DDC-Serial Data
5.	Ground	13.	H-Sync
6.	R-Ground	14.	V-Sync
7.	G-Ground	15.	DDC-Serial Clock
8.	B-Ground		
VGA Connector layout			
			

4.2 FACTORY PRESET DISPLAY MODES:

VESA MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency +/- 0.5kHz	Sync Polarity	Nominal Freq. +/- 1 Hz	Sync Polarity	Nominal Pixel Clock (MHz)
VGA	640x480@60Hz	800 x 525	31.469	N	59.940	N	25.175
	640x480@72Hz	832 x 520	37.861	N	72.809	N	31.500
	640x480@75Hz	840 x 500	37.500	N	75.00	N	31.500
SVGA	800x600@56Hz	1024 x 625	35.156	N/P	56.250	N/P	36.000
	800x600@60Hz	1056 x 628	37.879	P	60.317	P	40.000
	800x600@72Hz	1040 x 666	48.077	P	72.188	P	50.000
	800x600@75Hz	1056x625	46.875	P	75.000	P	49.500
XGA	1024x768@60Hz	1344x806	48.363	N	60.004	N	65.000
	1024x768@70Hz	1328x806	56.476	N	70.069	N	75.000
	1024x768@75Hz	1312x800	60.023	P	75.029	P	78.750
	1024x768@72Hz	1304x798	57.7	P	72	P	78.4
Mac	1024x768@75Hz	1326x804	60.2	P	75	P	80
	1152x870@75Hz	1456x915	68.7	P	75	P	100
SXGA	1152x864@75Hz	1600x900	67.5	P	75	P	108
	1280x1024@60Hz	1688x1066	63.981	P	60.020	P	108.000
	1280x1024@75Hz	1688x1066	79.976	P	75.025	P	135.000

	1280x960@60Hz	1800x1000	60	P	60	P	108
	1280x1024@70Hz	1720x1064	74.4	P	70	P	124.9
	1280x1024@72Hz	1724x1066	77.9	P	72	P	134.6

IBM MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency +/- 0.5kHz	Sync Polarity	Nominal Freq. +/- 1 Hz	Sync Polarity	Nominal Pixel Clock Clock (MHz)
DOS*	720x400@70Hz	900 x 449	31.469	N	70.087	P	28.322
DOS	640x350@70Hz	800 x 449	31.469	P	70.087	N	25.175
MAC MODES							
VGA	640x480@67Hz	864x525	35.000	N	66.667	N	30.240
SVGA	832x624@75Hz	1152x667	49.725	N	74.551	N	57.2832

Note: All modes will automatically optimize the screen size with “ AUTO-config “ function, except 4 dos- modes: 640x480@60hz, 720x400@70hz, 640x350@70hz, and 640x400@70hz

4.3 POWER SUPPLY REQUIREMENT

NO.	PARAMETER	Description
1	A/C Line voltage range	100 V ~ 240 V
2	A/C Line frequency range	50 ± 3Hz, 60 ± 3Hz
3	Input Voltage transients	280 volts AC for 10 sec @40°C
4	Current	1.5A max at 100V; 0.8A max at 240 V
5	Peak surge current	< 60A peak at 240 VAC and cold starting < 30A peak at 120VAC and cold starting
6	Leakage current	< 3.5mA
7	Power line surge	No advance effects (no loss of information or defect) With a maximum of 1 half-wave missing per second

4.4 Panel Specification

This specification applies to the 19.0 inch Color TFT-LCD Module M190EN03 V1.

The display supports the SXGA (1280(H) x 1024(V)) screen format and 16.7M colors (RGB 8-bits data).

All input signals are 2 Channel LVDS interface compatible.

This module does not contain an inverter card for backlight.

4.4.1 General Feature

ITEMS	Unit	SPECIFICATIONS
Screen Diagonal	[mm]	480(19")
Active Area	[mm]	376.32 (H) x 301.056 (V)
Pixels H x V		1280(x3) x 1024
Pixel Pitch	[mm]	0.294 (per one triad) x 0.294
Pixel Arrangement		R.G.B. Vertical Stripe
Display Mode		Normally Black
White Luminance (Center)	[cd/m ²]	250 cd/m ² @7mA (Typ)
Contrast Ratio		800 : 1 (Typ)
Optical Response Time	[msec]	20ms (Typ, on/off)
Nominal Input Voltage VDD	[Volt]	+5.0 V
Power Consumption (VDD line + CCFL line)	[Watt]	27.5W(Typ) (w/o Inverter, All white pattern)
Weight	[Grams]	2500 (Max)
Physical Size	[mm]	396(W) x 324(H) x 17.5(D) (Typ)
Electrical Interface		Even/Odd R/G/B data, 3 sync signal, Clock
Support Color		16.7M colors (RGB 8-bit data)
Surface treatment		Anti-glare, hard coating (3H)
Temperature Range		
Operating	[°C]	0 to +50
Storage (Shipping)	[°C]	-20 to +60

4.4.2 Optical Characteristics

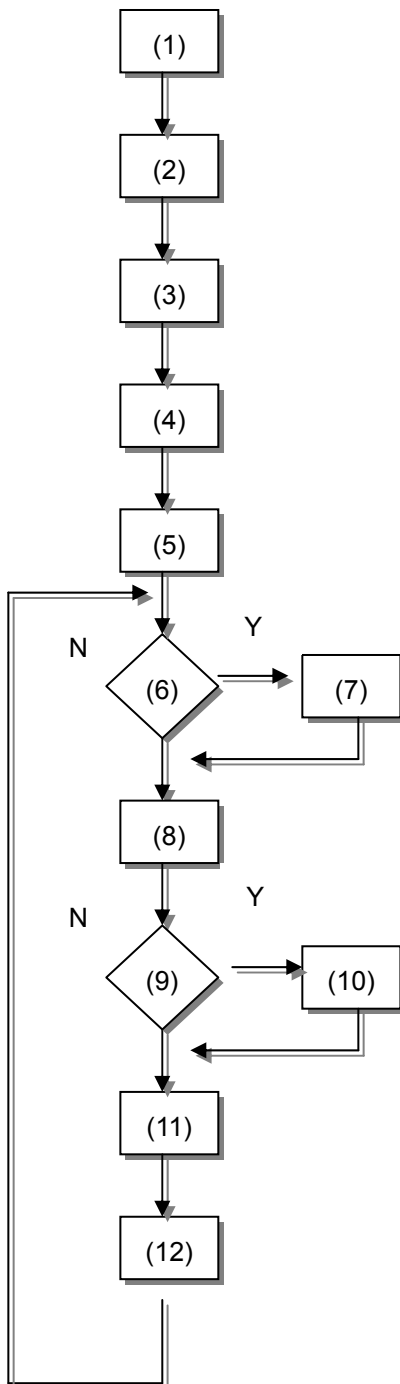
Item	Unit	Conditions	Min.	Typ.	Max.
Viewing Angle	[degree]	Horizontal (Right)	75	85	-
	[degree]	CR = 10 (Left)	75	85	-
	[degree]	Vertical (Up)	75	85	-
	[degree]	CR = 10 (Down)	75	85	-
Contrast Ratio		Normal Direction	500	800	
Response Time	[msec]	Rising Time	-	15	25
	[msec]	Falling Time	-	5	15
	[msec]	Rising + Falling	-	20	40
Color / Chromaticity Coordinates (CIE)		Red x	0.611	0.641	0.671
		Red y	0.323	0.353	0.383
		Green x	0.259	0.289	0.319
		Green y	0.596	0.626	0.656
		Blue x	0.112	0.142	0.172
		Blue y	0.048	0.078	0.108
		White x	0.283	0.313	0.343
Color Coordinates (CIE) White		White y	0.299	0.329	0.359
White Luminance at CCFL 7.0mA (central point)	[cd/m ²]		200	250	-
Luminance Uniformity	[%]		70	75	-
Crosstalk (in75Hz)	[%]				1.5
Flicker	dB				-20

4.4.3 Electrical Characteristics

Symbol	Parameter	Min	Typ	Max	Units
VDD	Logic/LCD Drive Voltage	4.5	5	5.5	[Volt]
IDD	VDD current	-	1300	1700	[mA]
Irush	LCD Inrush Current	-	-	3.5	[A]
PDD	VDD Power	-	6.5	8.5	[Watt]
VDDrp	Allowable Logic/LCD Drive Ripple Voltage			100	[mV] p-p
VDDns	Allowable Logic/LCD Drive Ripple Voltage			100	[mV] p-p

Symbol	Parameter	Min.	Typ.	Max.	Unit
ISCFL	CCFL standard current	6.5	7.0	7.5	[mA] rms
IRCFL	CCFL operation range	3.0	7.0	7.5	[mA] rms
FCFL	CCFL Frequency	40	50	60	[KHz]
ViCFL (0°C)	CCFL Ignition Voltage (End of the lamp wire connector)	1810	-	-	[Volt] rms
ViCF (25°C)	CCFL Ignition Voltage (End of the lamp wire connector)	1540	-	-	[Volt] rms
VCFL	CCFL Operation Voltage	-	750 @7mA	800	[Volt] rms
PCFL	CCFL Power consumption (for reference)	-	21	23.1	[Watt]
LTCFL	CCFL life Time	40,000	50,000	-	[Hour]

5. SOFTWARE FLOW CHART

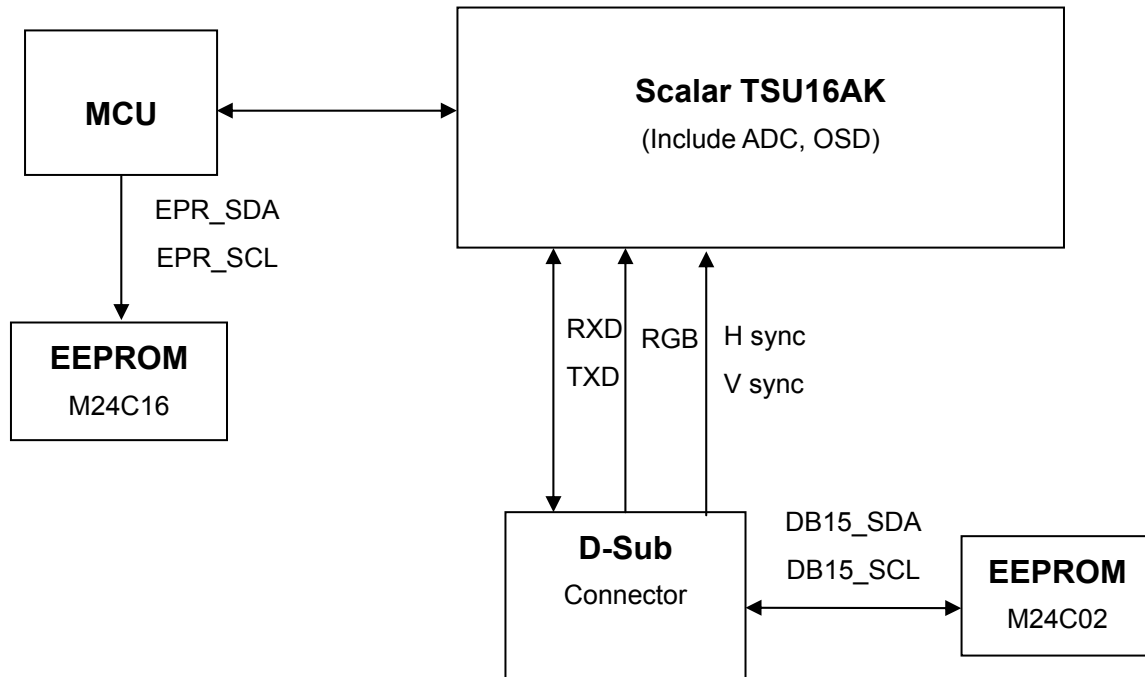


1. Initialize MCU settings, including I/O, Timer, ISR and Serial Port settings.
2. Read EEPROM content to recover monitor settings, including brightness, contrast, color temperature and OSD position etc.
3. Initialize system variable, including system flag, OSD timeout counter, burin mode status... etc.
4. Initialize OSD menu variable for user operation
5. Initialize device on the board, now only MST scalar chip will be initialized
6. Check if system is in power off status from first AC power up. If yes, then go to 7, else go to 8.
7. If yes, system will be forced to enter power off status Mode detection
8. Check if input timing has been changed, if yes then go to 10, else go to 11
9. Setup MST scalar for display according input timing
10. OSD handler for OSD operation.
Debug handler, only debug only

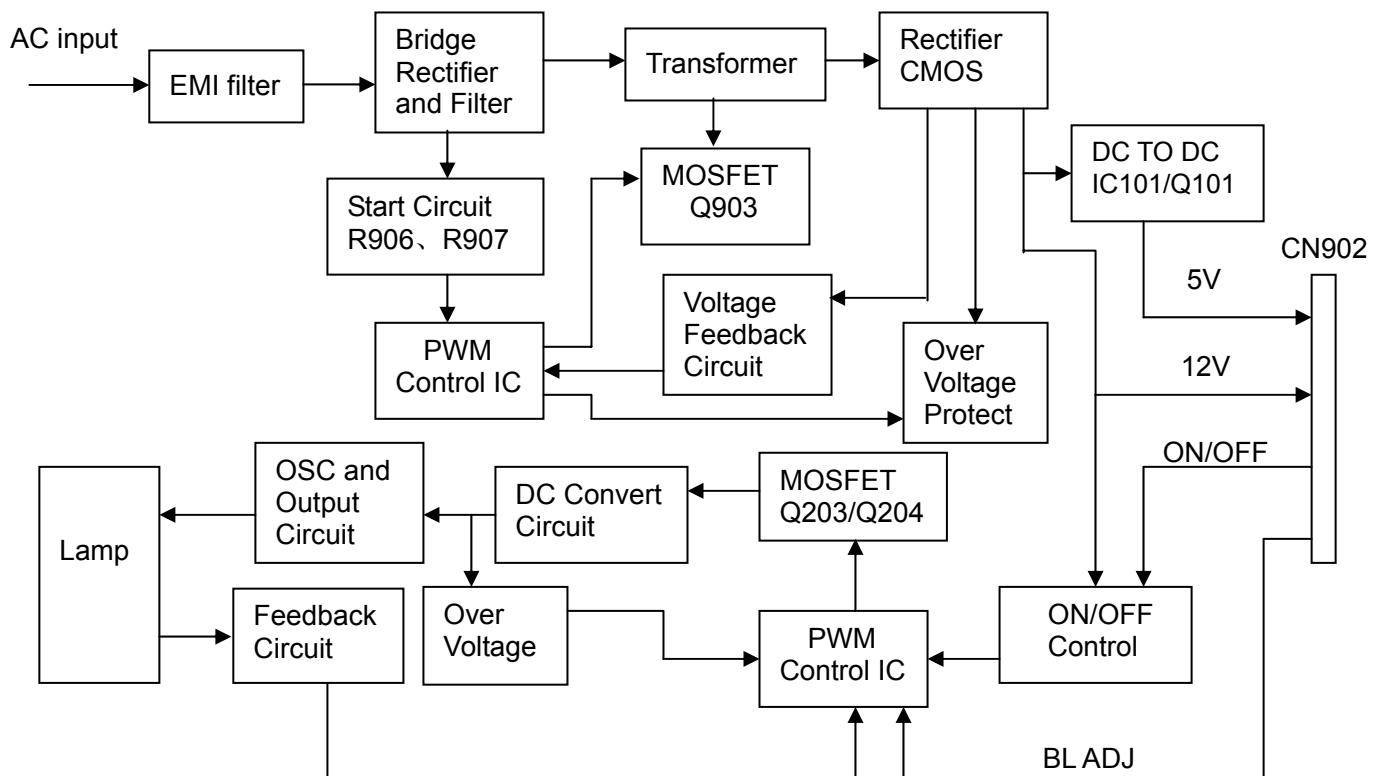
6. Circuit Diagram

BLOCK DIAGRAM

Main Board



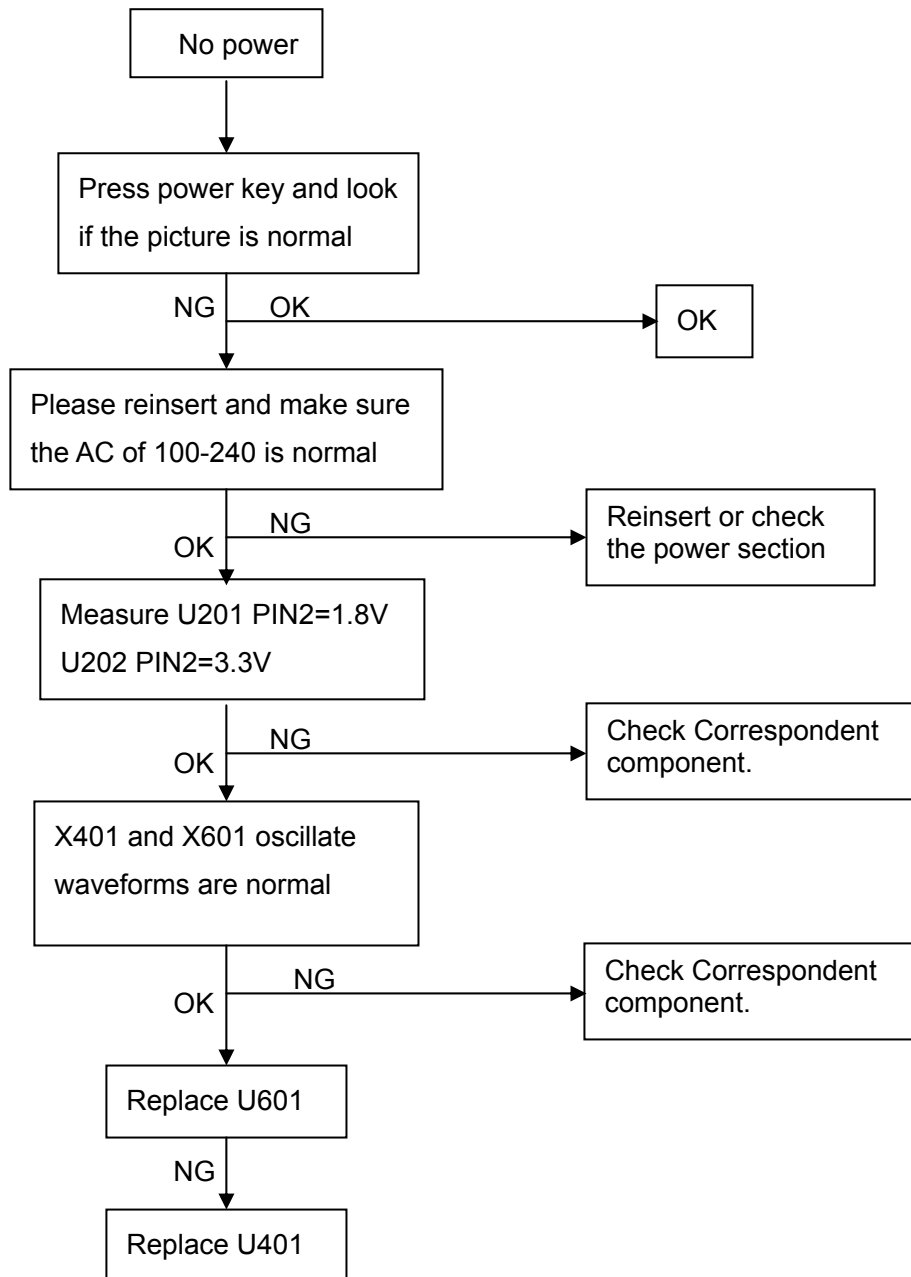
PWPC Board

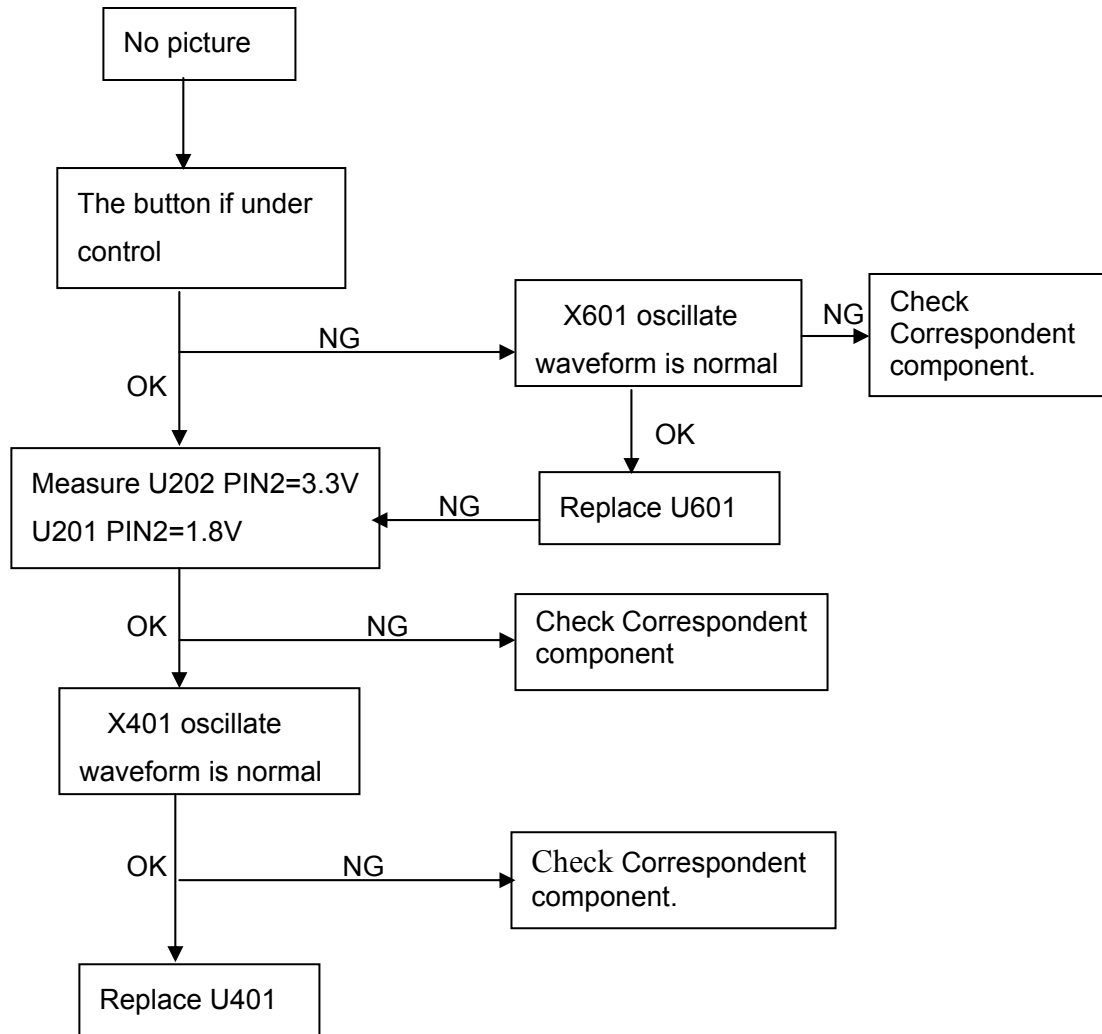


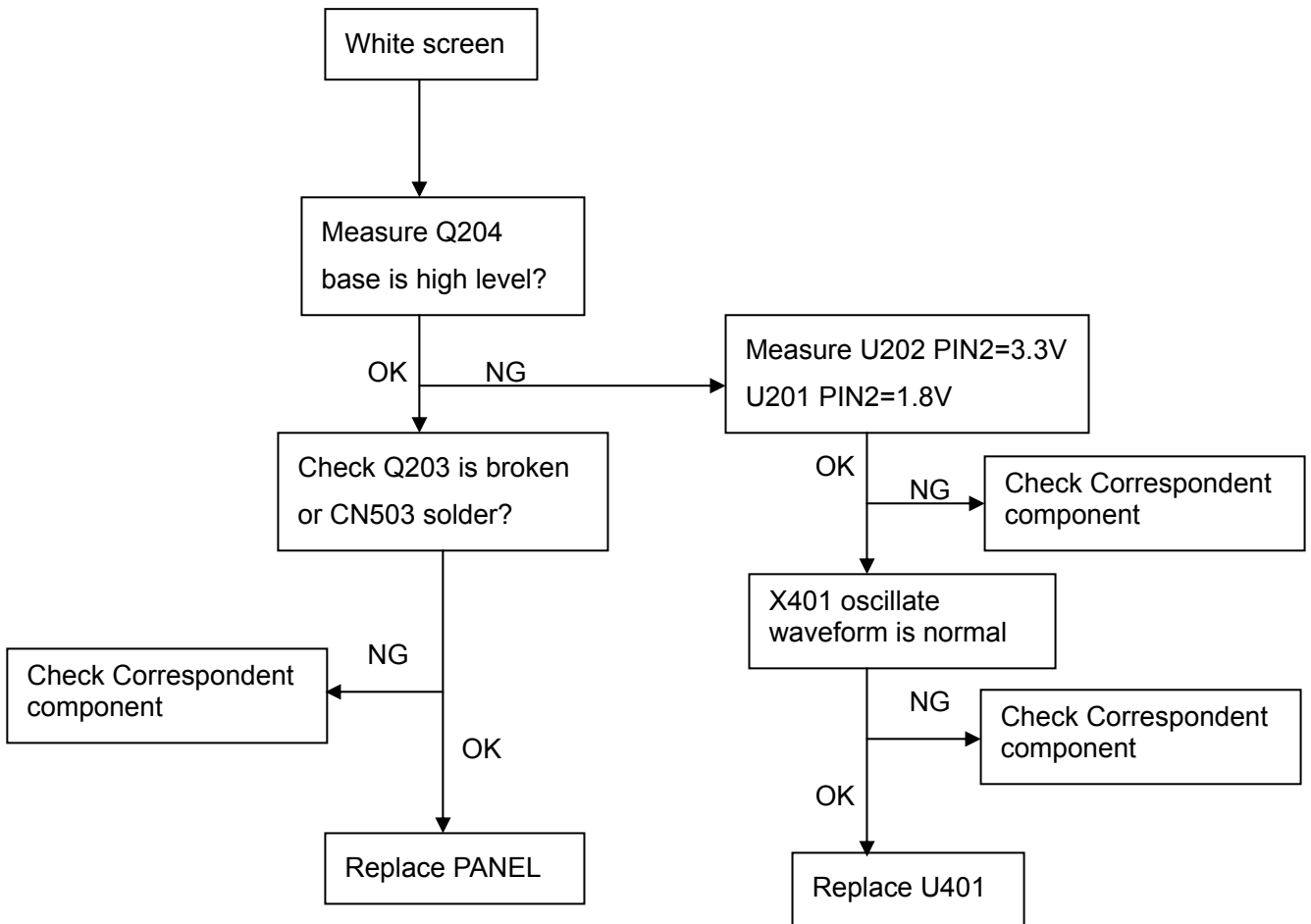
7.Trouble Shooting

7.1 Main board

No power

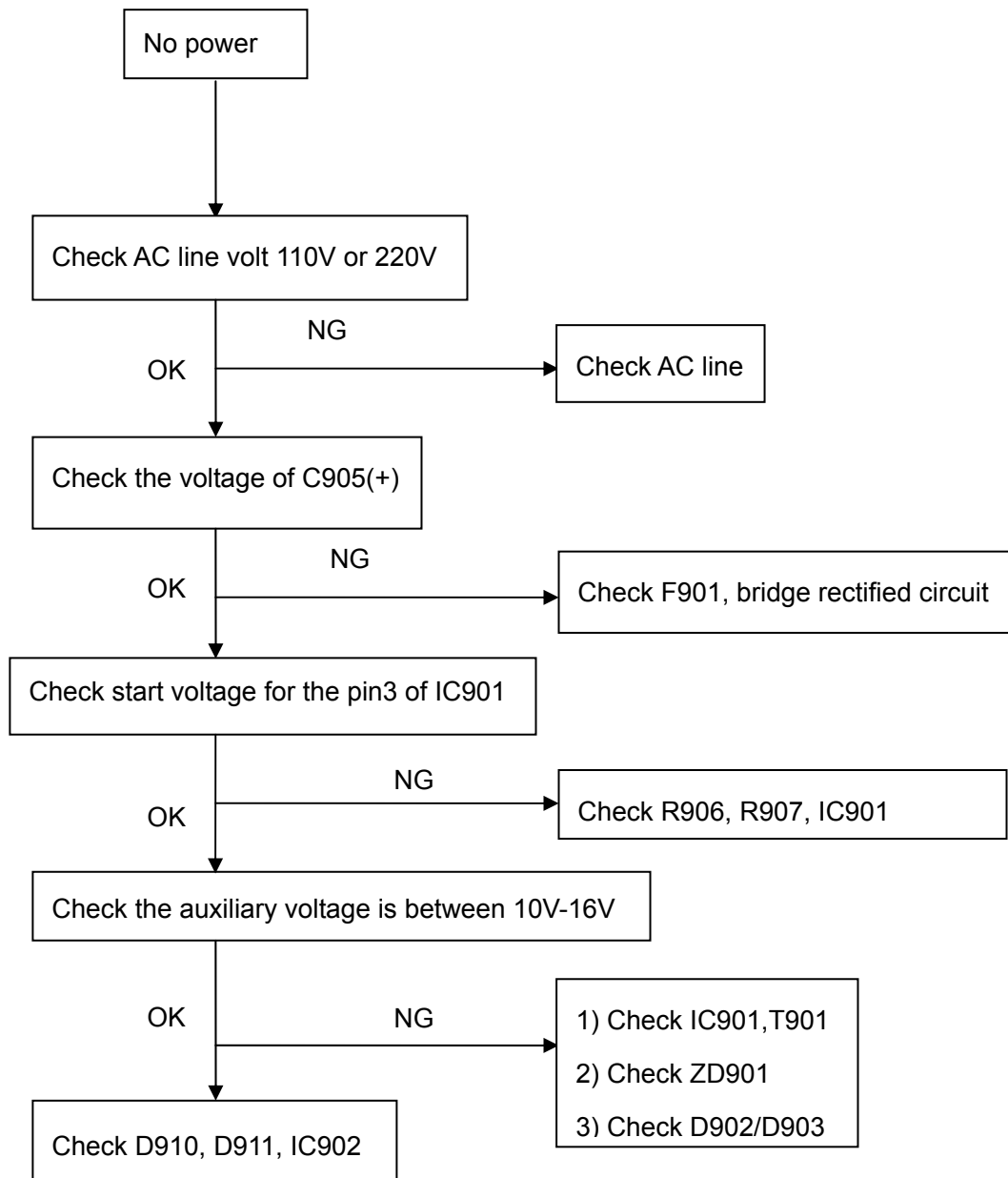






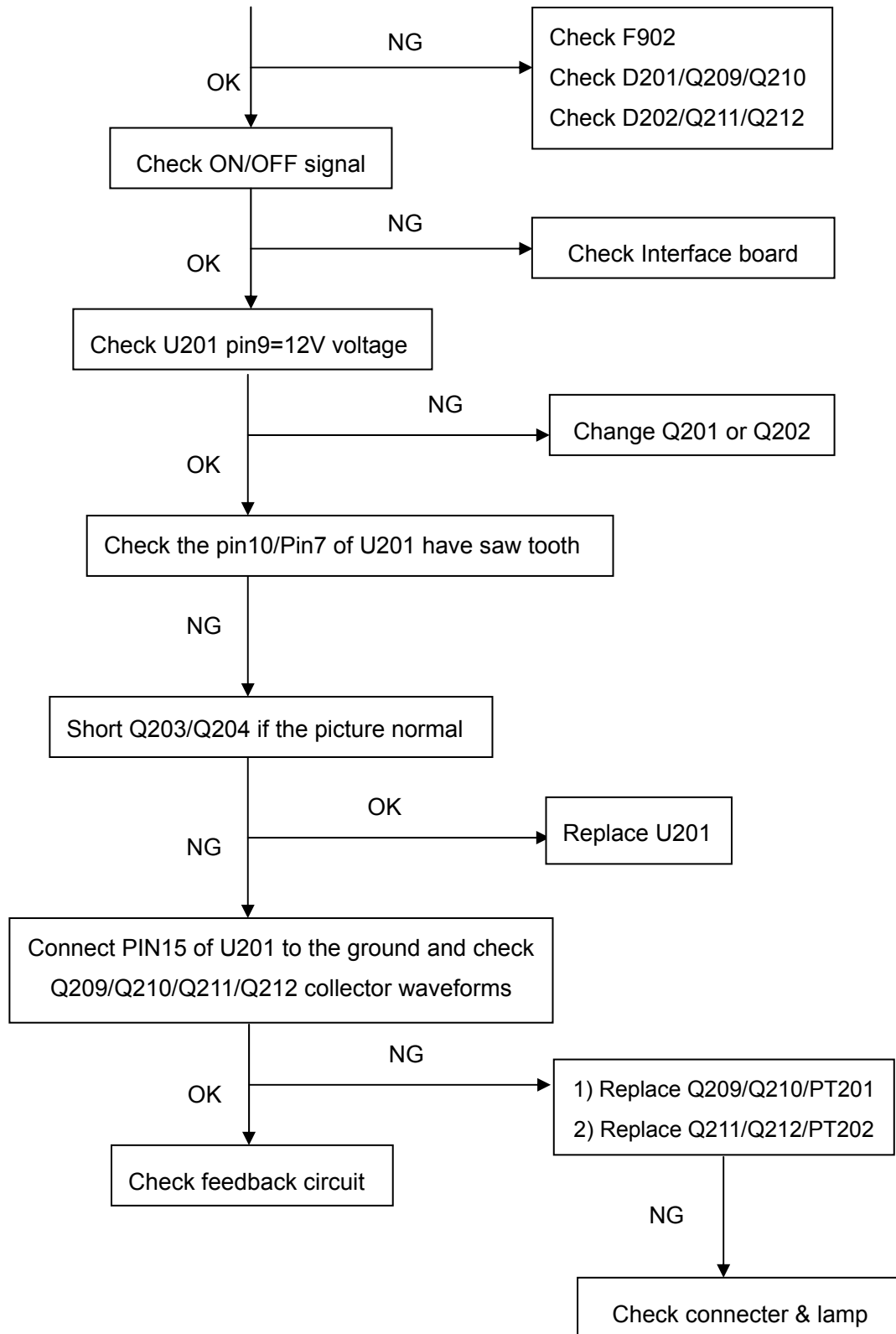
7.2 PWPC board

No Power



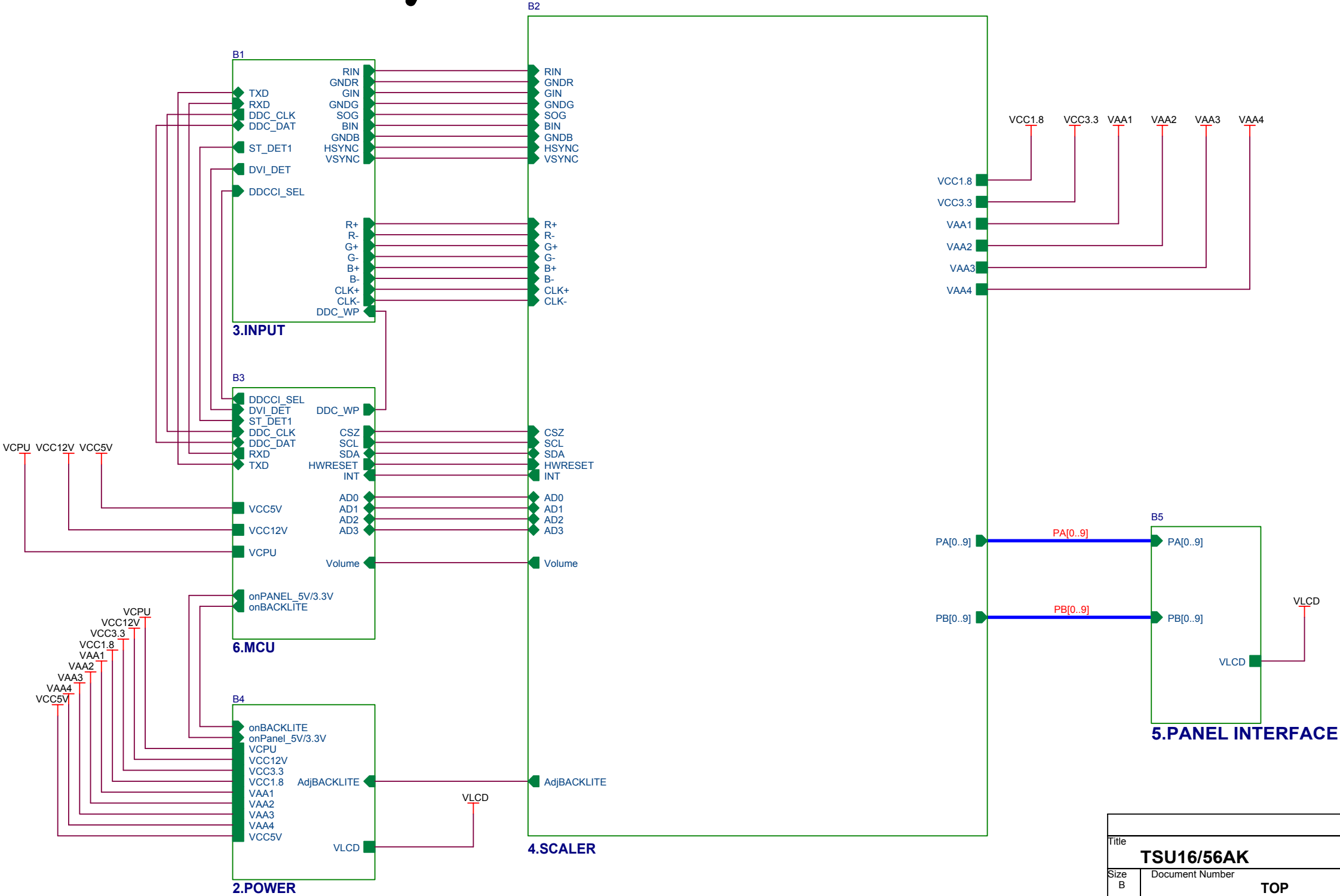
No Backlight

Check C223 (+) =12V

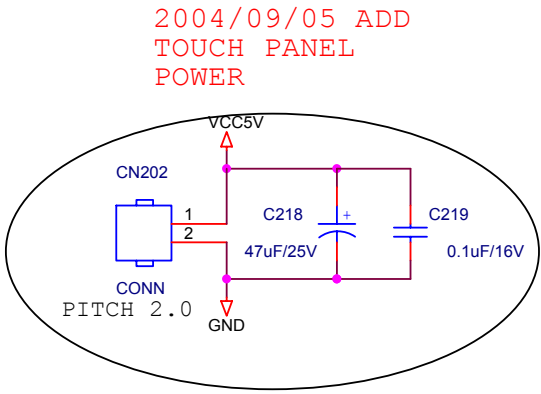
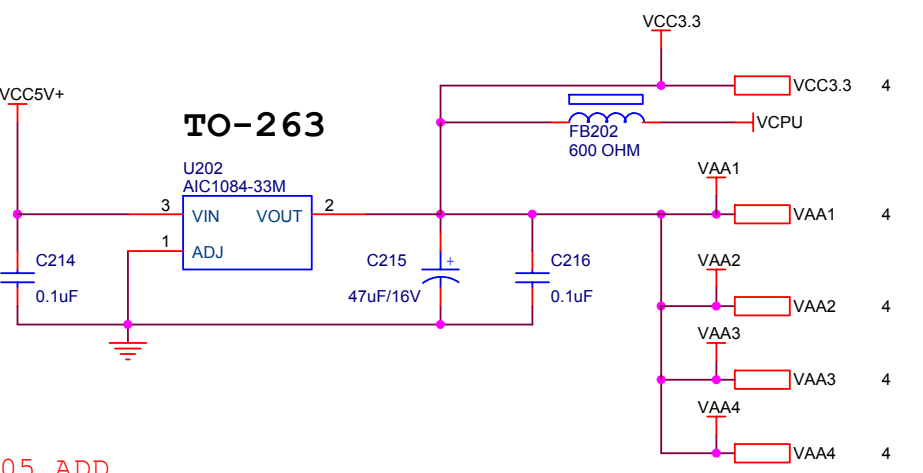
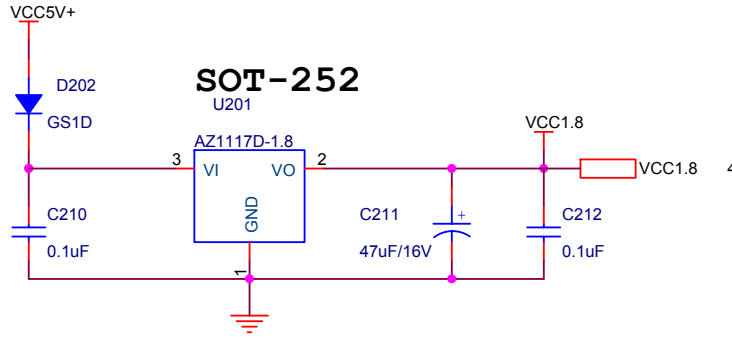
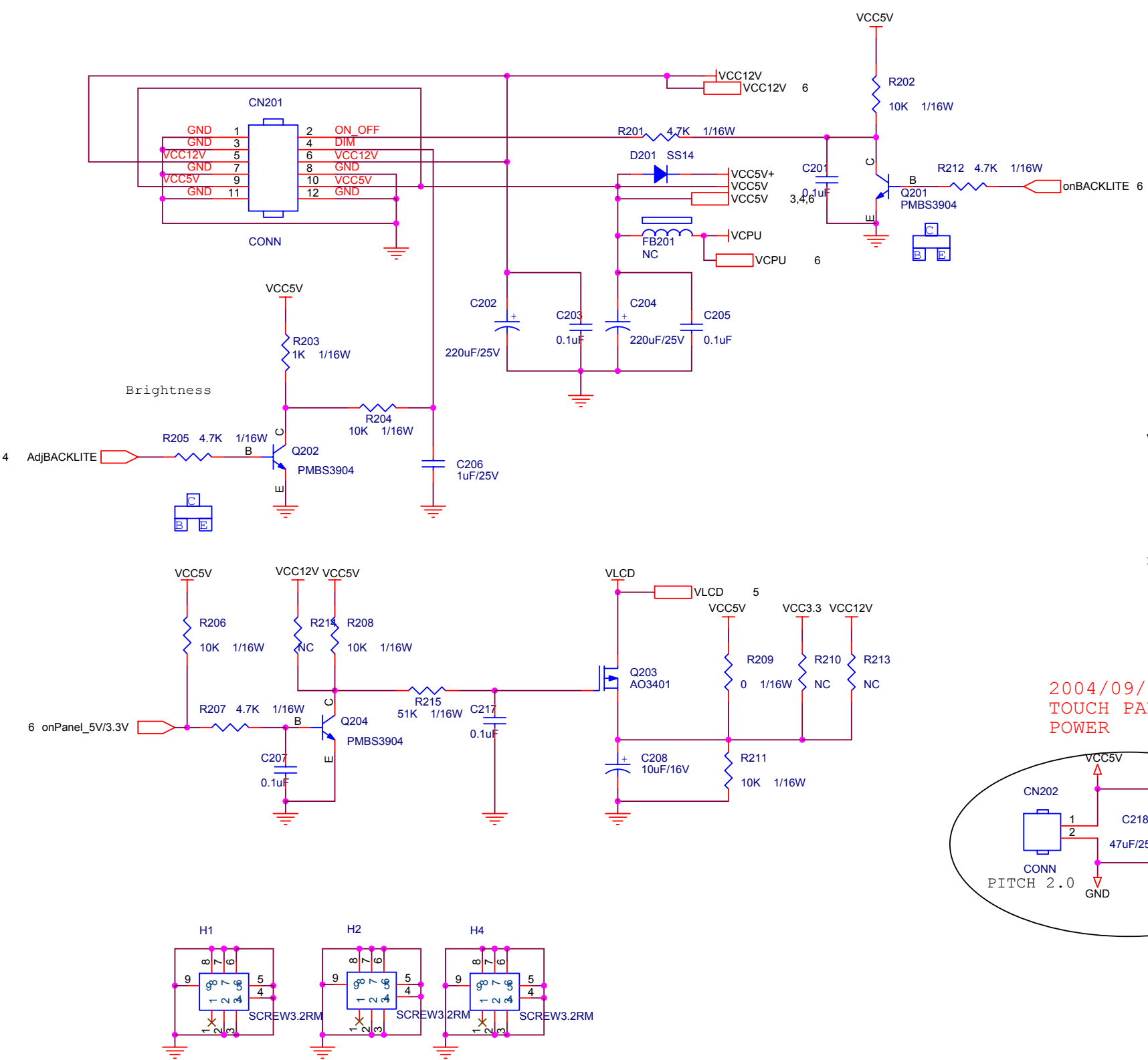


8.Schematic
8.1 Main Board

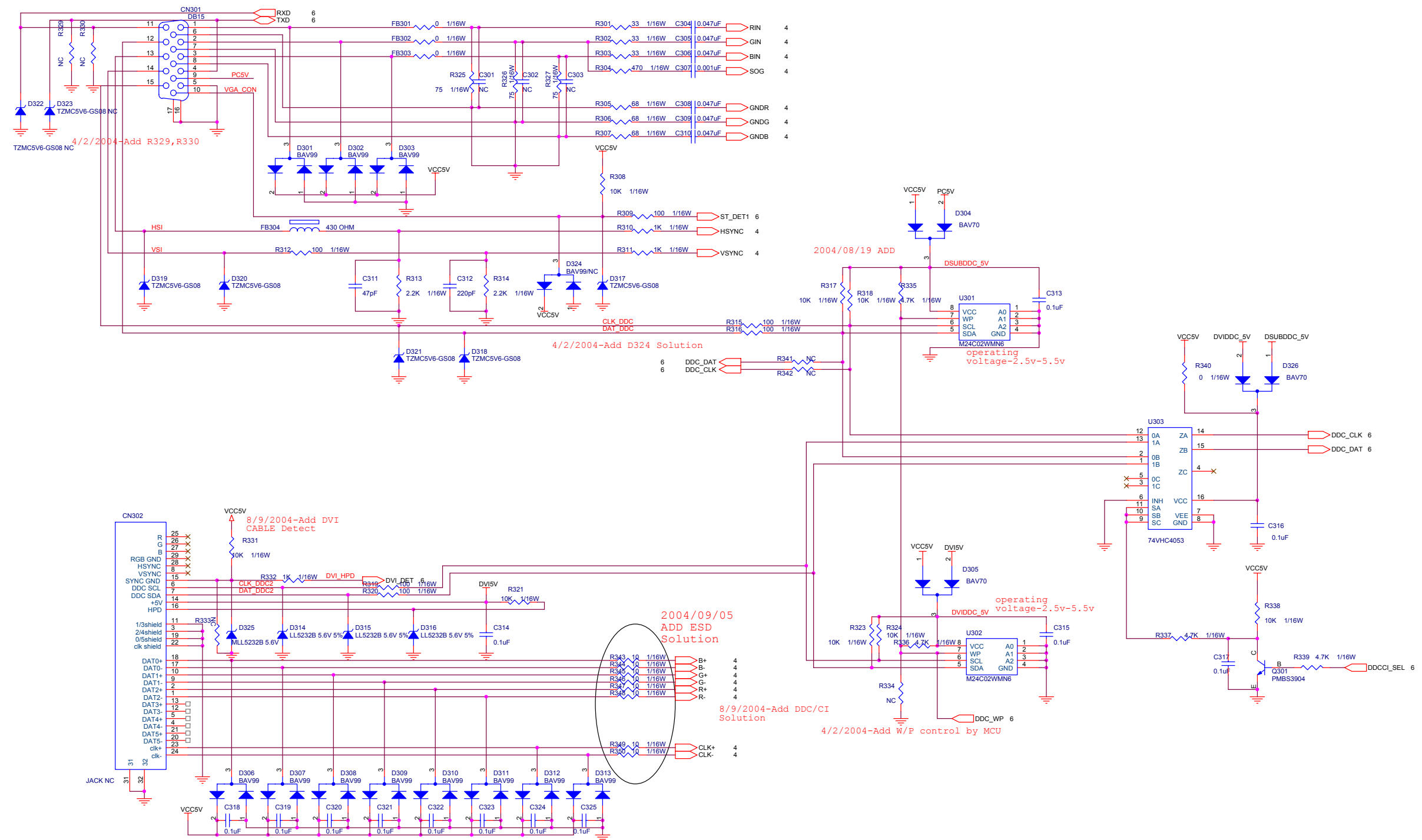
M TSU16/56AK SCHEMATIC



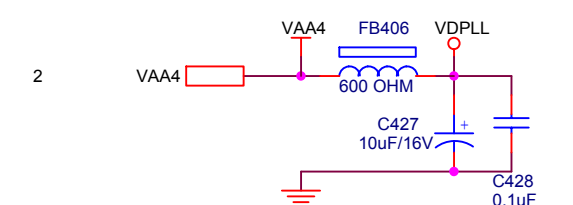
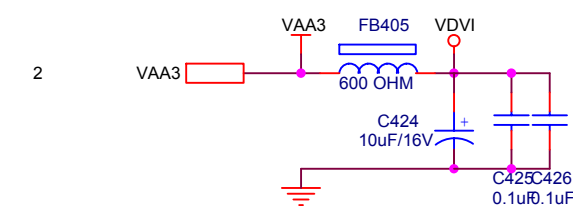
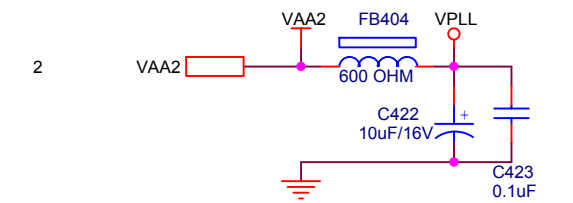
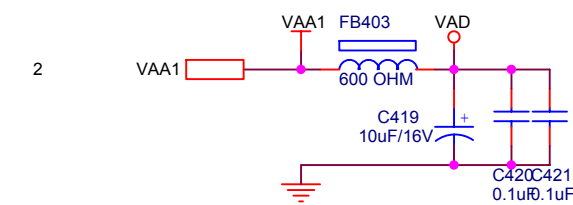
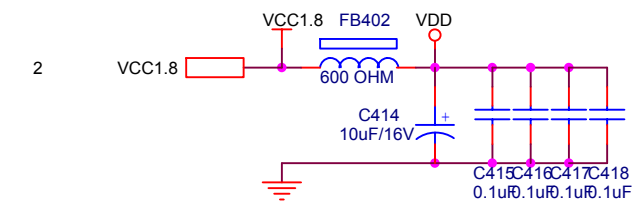
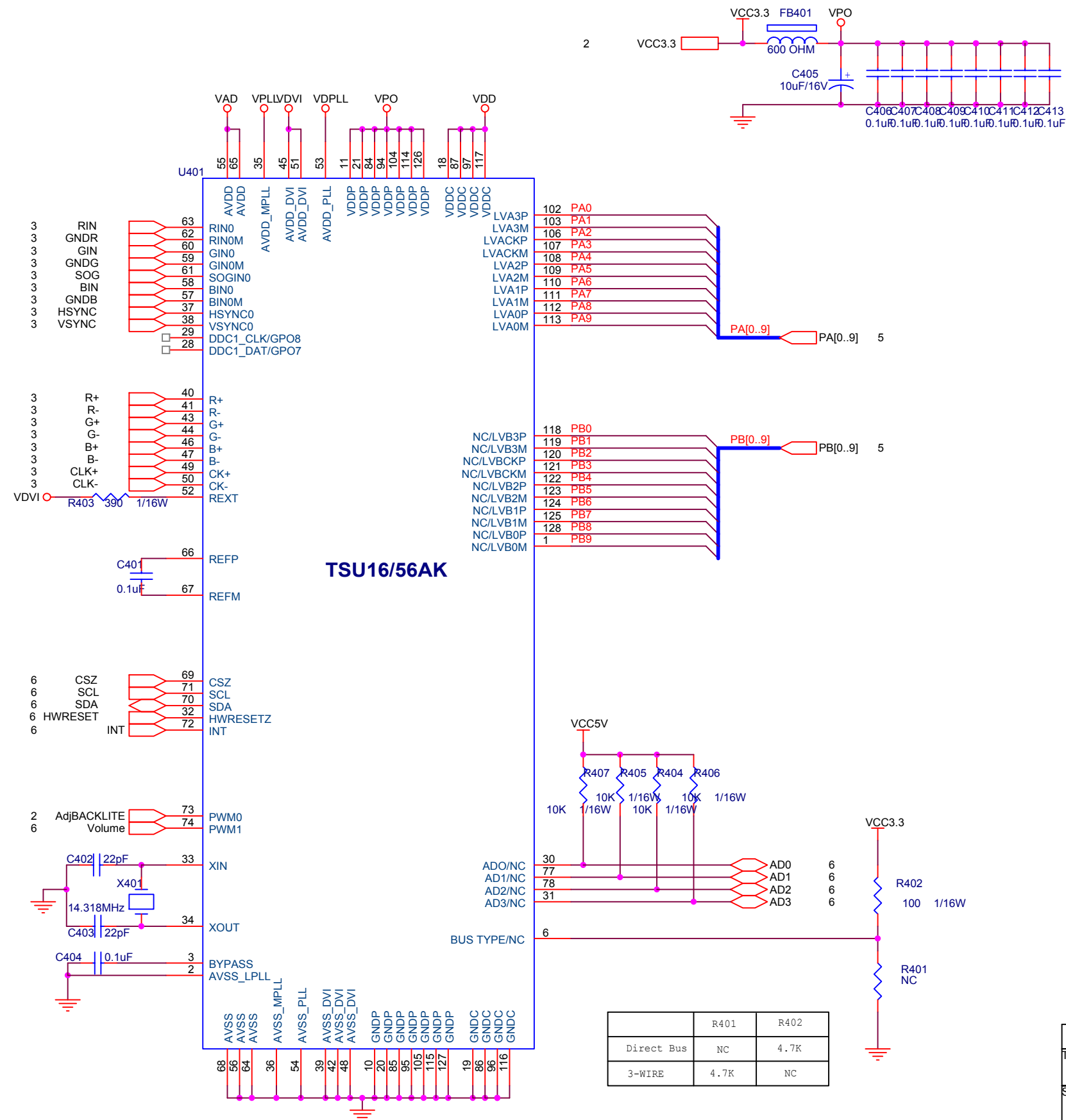
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Date:	Wednesday, October 06, 2004	Sheet	1 of 6



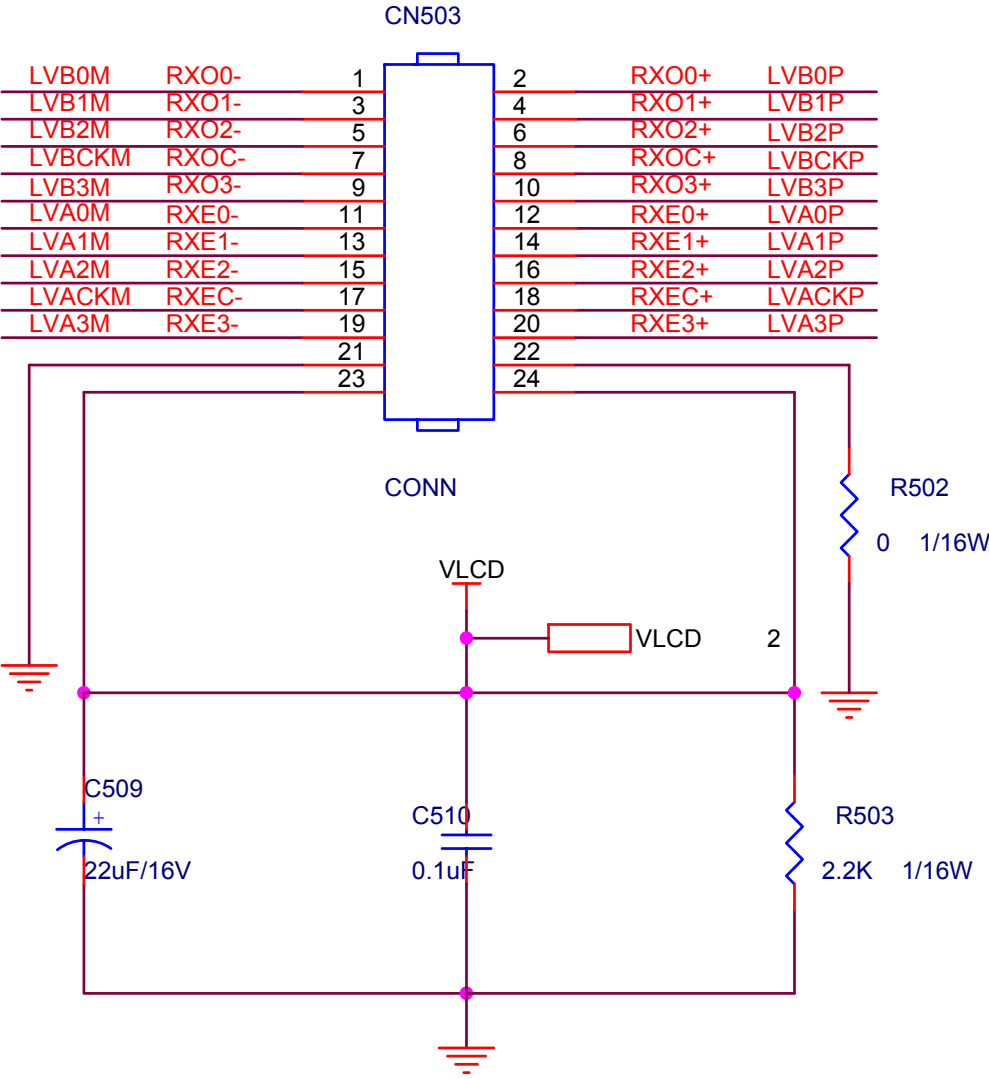
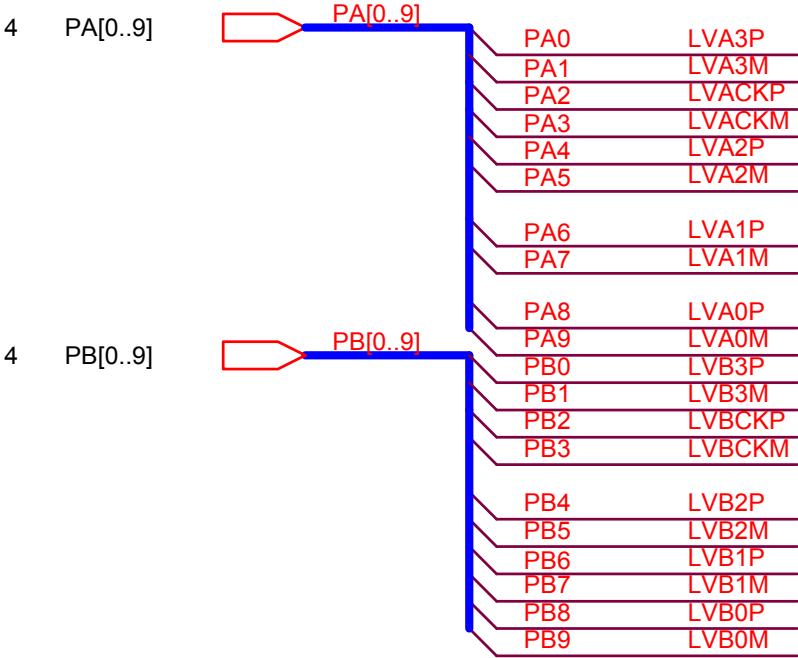
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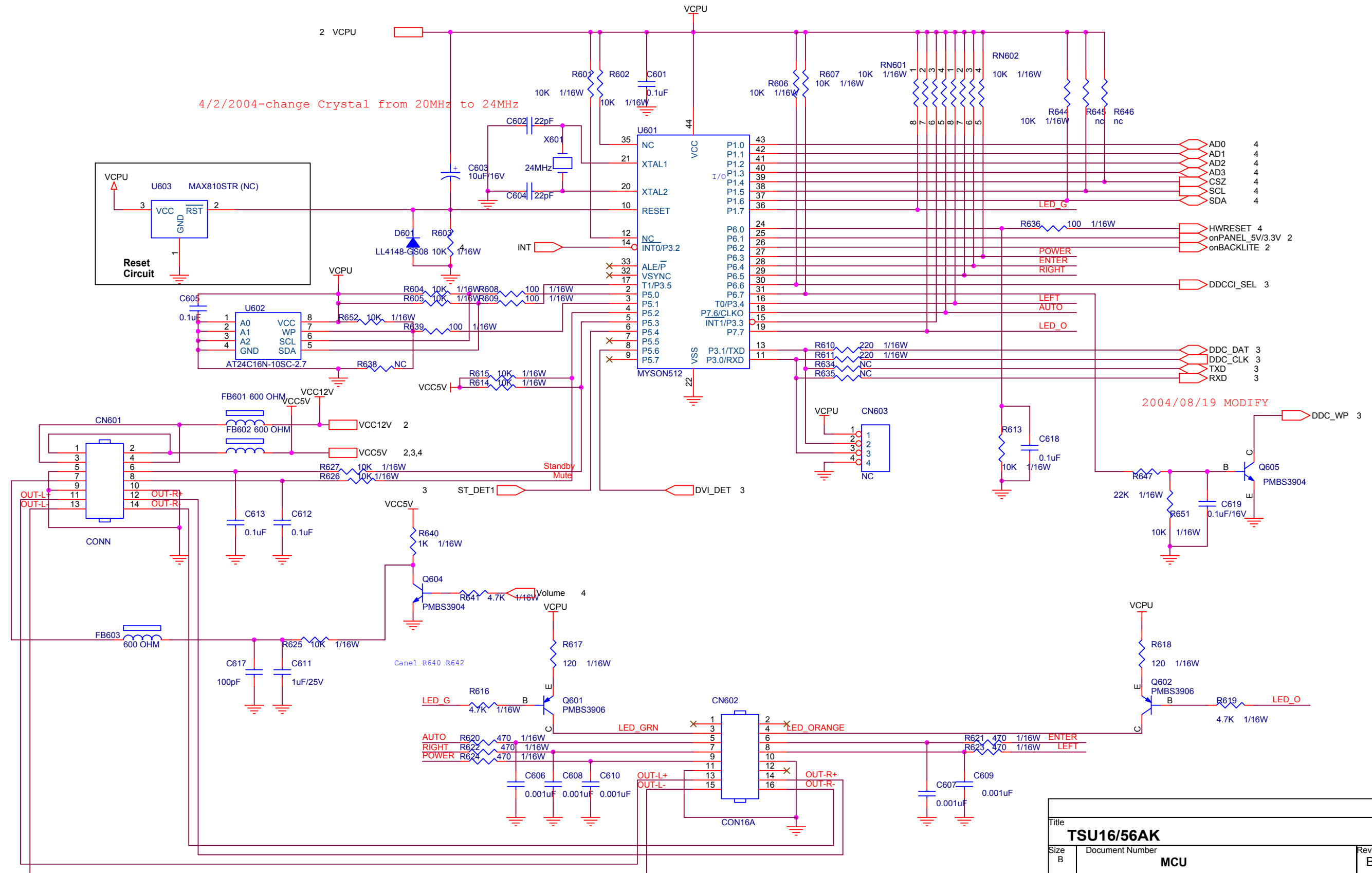
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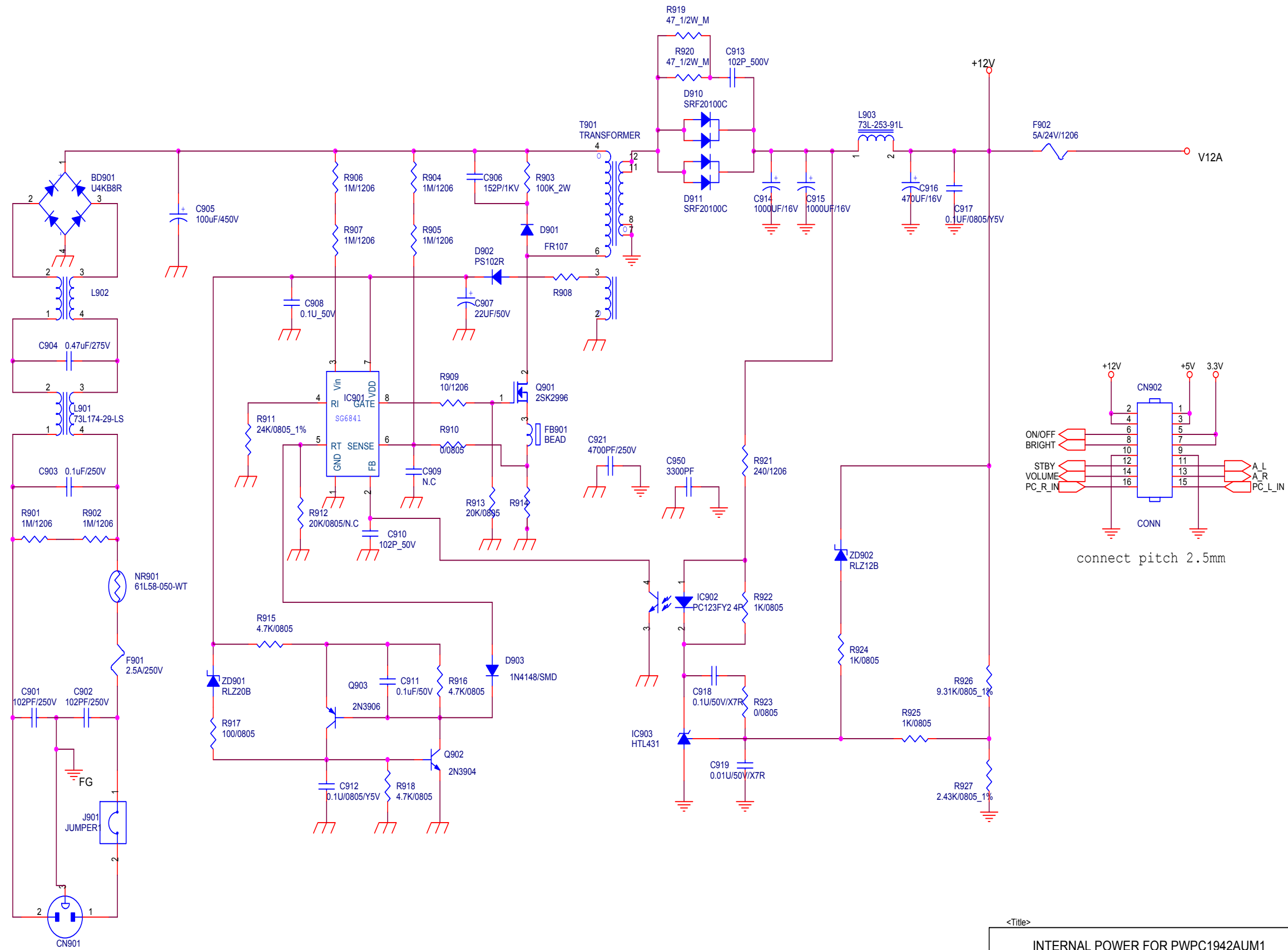
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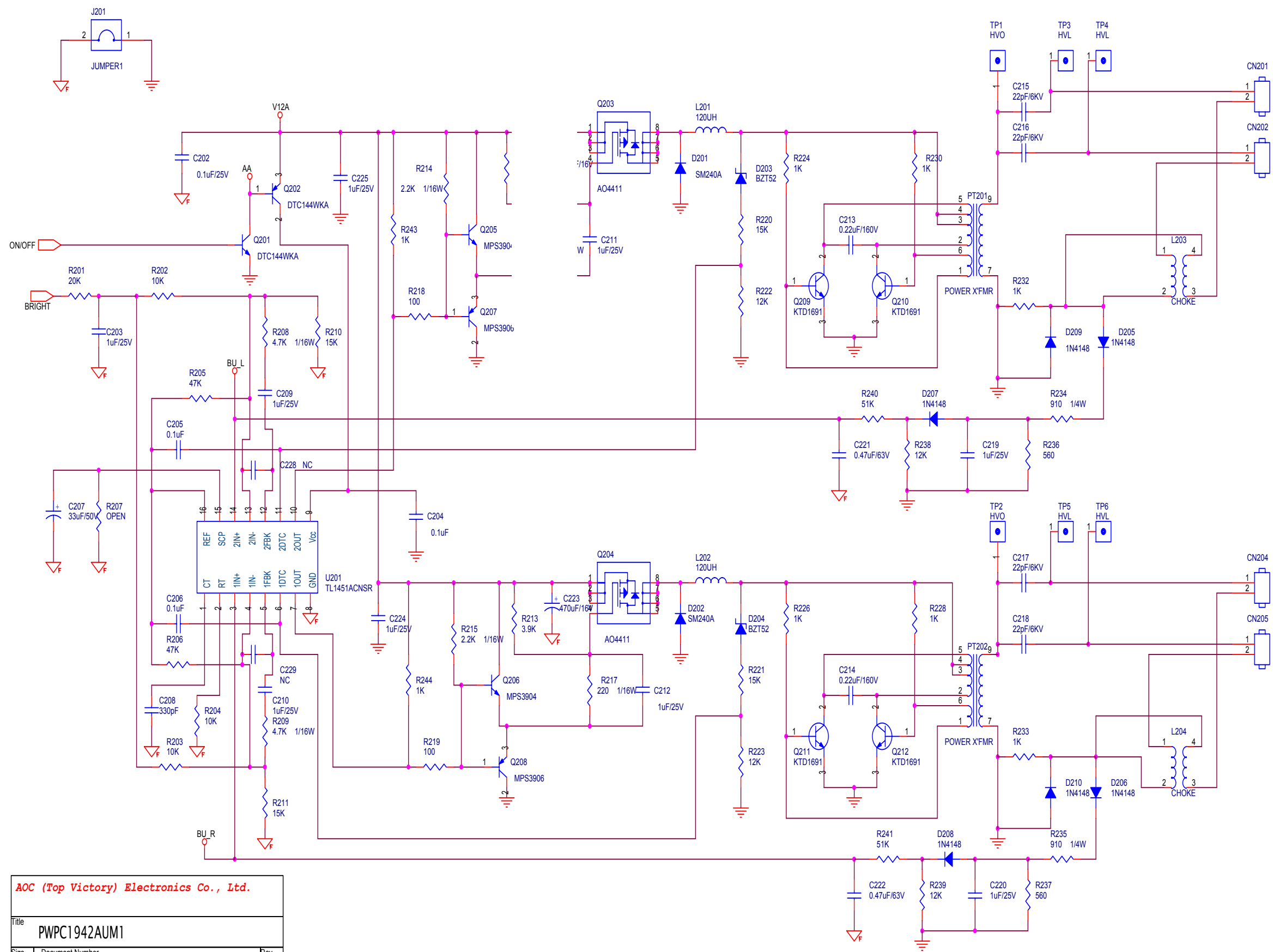
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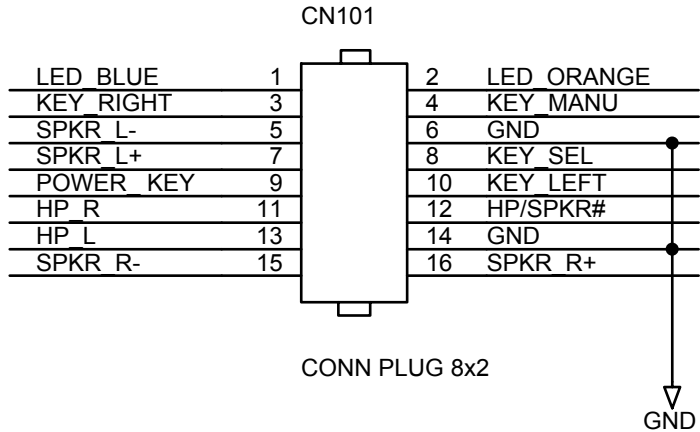
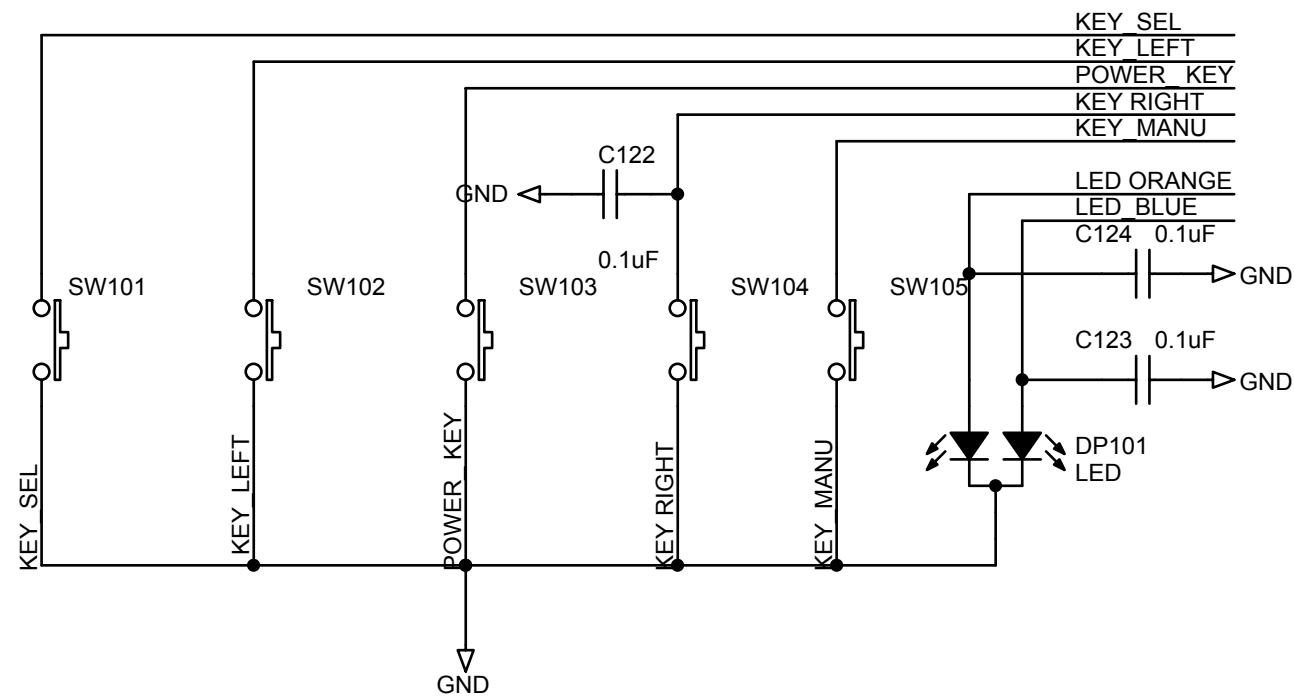
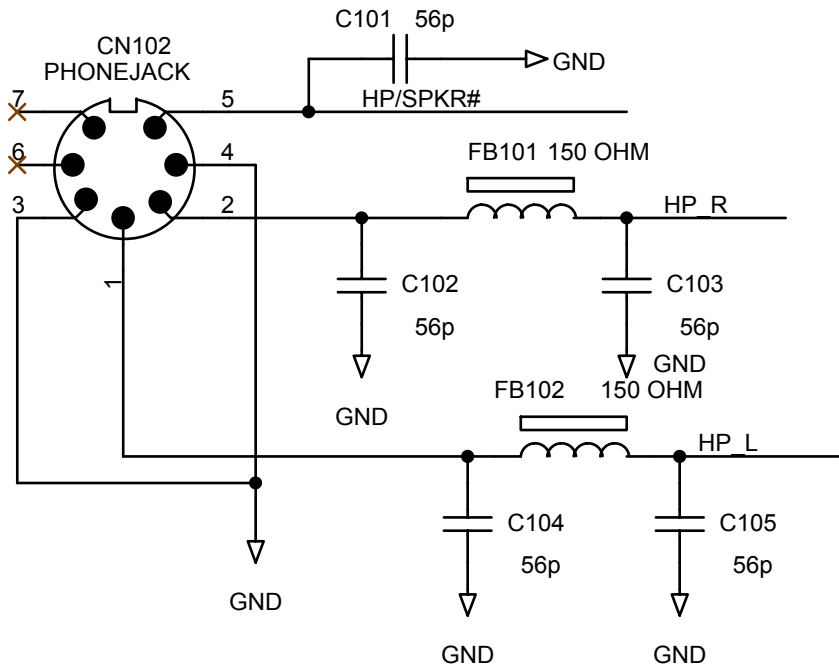
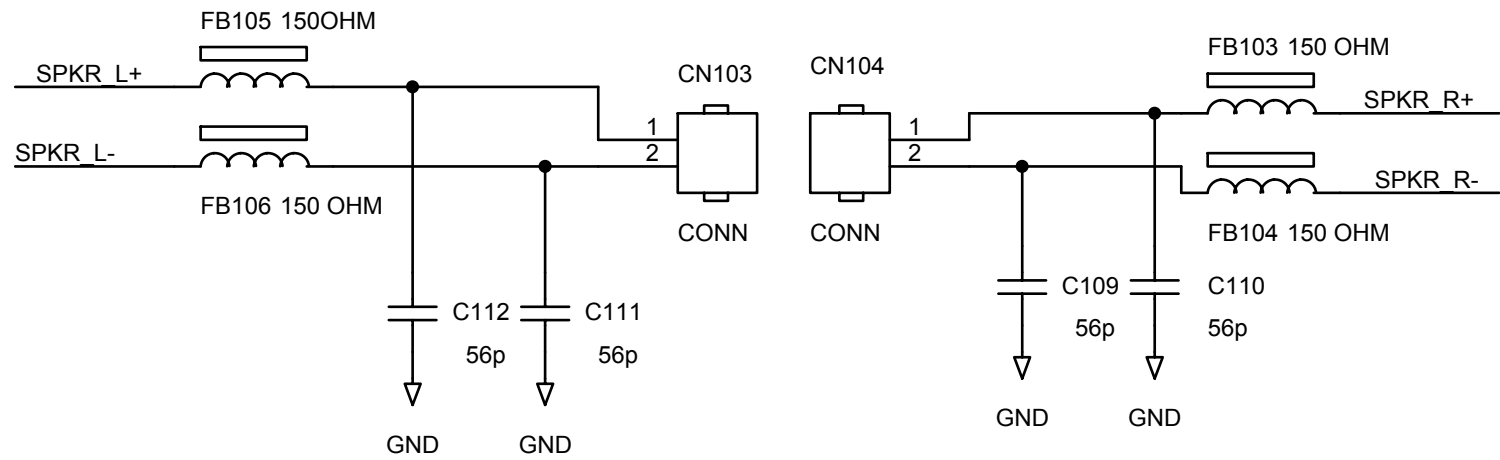


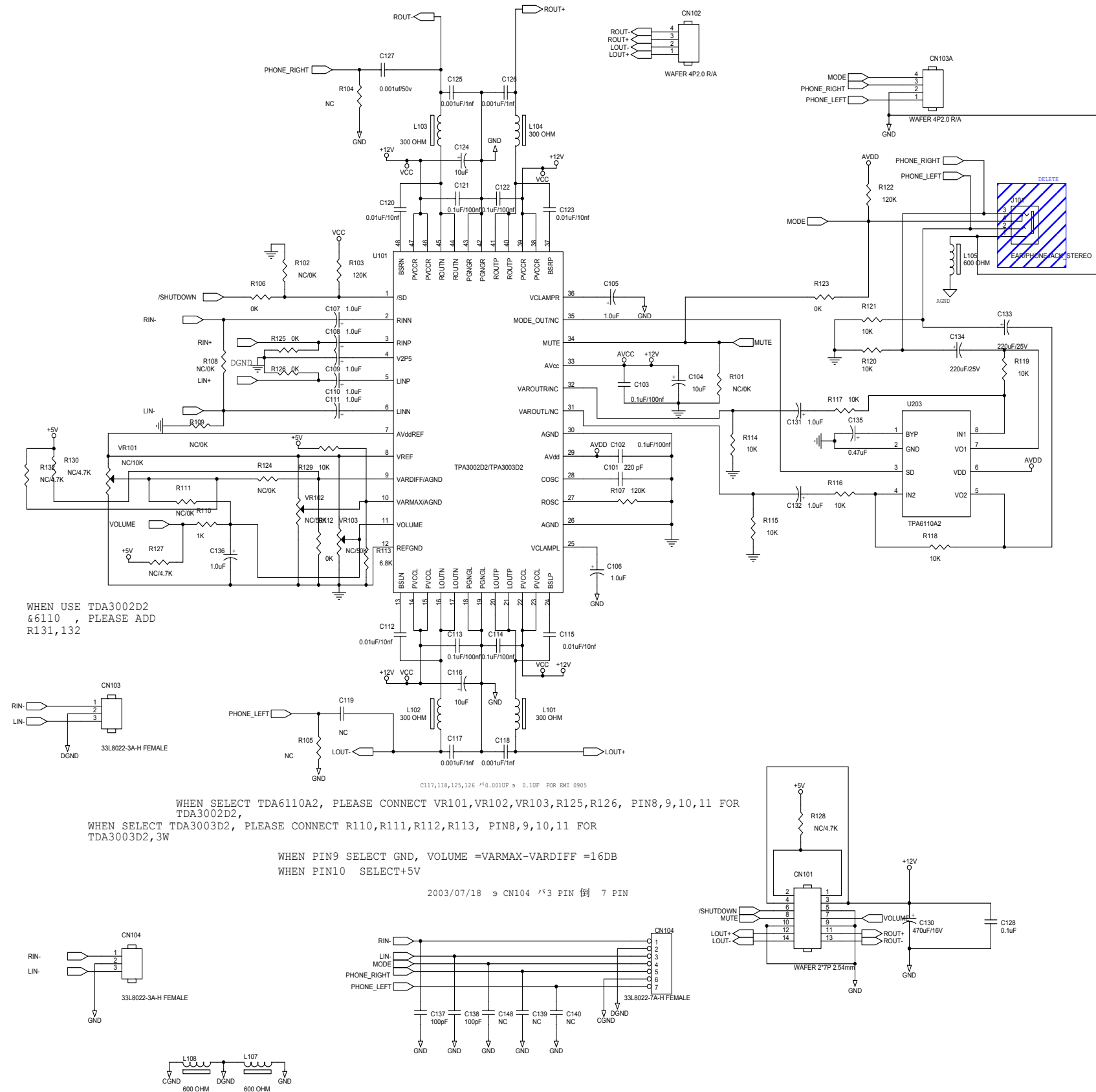
8.2 Inverter/Power Board



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INTERNAL POWER FOR PWPC1942AUM1		
Size B	Document Number	Rev 2
Date:	Tuesday, November 09, 2004	Sheet 1 of 3







9.BOM LIST

The different parts of T980KA4NJSB1A & T980KA4NJSB2A

Part No. for TPV	Description	Quantity	Unit	TPV model
34G1276 Y 4L	BACK COVER	1	PCS	T980KA4NJSB1A
34G1276 GM 4L	BACK COVER	1	PCS	T980KA4NJSB2A
40G 191894 1A	ID LABEL	1	PCS	T980KA4NJSB1A
40G 191894 2A	ID LABEL	1	PCS	T980KA4NJSB2A
44GS904894 1A	CARTON	1	PCS	T980KA4NJSB2A
44GS904894 2A	CARTON	1	PCS	T980KA4NJSB1A
89G 173 56 8	AUDIO CABLE	1	PCS	T980KA4NJSB2A
89G 173 56 11	AUDIO CABLE	1	PCS	T980KA4NJSB1A
89G1738GAA D1	SIGNAL CABLE	1	PCS	T980KA4NJSB2A
89G1738GAB D1	SIGNAL CABLE	1	PCS	T980KA4NJSB1A
89G401A18NISM	POWER CORD	1	PCS	T980KA4NJSB2A
89G401C18NISM	POWER CORD	1	PCS	T980KA4NJSB1A
M1G 330 6 47	SCREW	2	PCS	T980KA4NJSB2A
M1G 330 6120	3MMX6 STEEL	2	PCS	T980KA4NJSB1A
Q1G 340 10 47	SCREW	2	PCS	T980KA4NJSB2A
Q1G 340 10120	SCREW	2	PCS	T980KA4NJSB1A
Q1G 340 12 47	SCREW	1	PCS	T980KA4NJSB2A
Q1G 340 12120	SCREW	1	PCS	T980KA4NJSB1A
705L980KB34062	19" BACK COVER ASS'Y	1	PCS	T980KA4NJSB2A
705L980KB34063	19" BACK COVER ASS'Y	1	PCS	T980KA4NJSB1A
AM1G1740 12 47	SCREW	4	PCS	T980KA4NJSB2A
AM1G1740 12120	SCREW	4	PCS	T980KA4NJSB1A
T34G1456 Y L	BASE	1	PCS	T980KA4NJSB1A
T34G1456 GM L	BASE	1	PCS	T980KA4NJSB2A

The same parts list

Location	Part No. for TPV	Description	Quantity	Unit
	95G8014 16 26	WIRE HARNESS	1	PCS
	95G8018 30564	HARNESS	1	PCS
	Q1G 330 10120	SCREW FOR FP/RC	2	PCS
	AUPC980BU	AUDIO BOARD	1	PCS
	CBPC980KA4MC	CONVERSION BOARD	1	PCS
	KEPC980KAM	KEY BOARD FOR T980K*	1	PCS
	PWPC1942AUM2	POWER BOARD	1	PCS
	12G6217 1	RUBBER	3	PCS
	15G6093 A4	MAIN FRAME	1	PCS

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	40G 58162435A	LABEL	1	PCS
	40G 581689 4A	SERIAL LABEL FOR MONITO	1	PCS
	40G 581894 2A	BLUE DOT	2	PCS
	41G7800894 4A	INSTALL MANUAL	1	PCS
	44G3231 15	EVA WASHER	1	PCS
	44G3231 15506	EVA WASHER	1	PCS
	44G3910 5	U TYPE SHEET	1	PCS
	44G3920 1	EPS(L)	1	PCS
	44G3920 2	EPS(R)	1	PCS
	45G 76 28 V3	PE BAG FOR MANUAL	1	PCS
	45G 88626 1	PE BAG FOR MONITOR	1	PCS
	50G 600 2	HANDLE1	1	PCS
	50G 600 3	HANDLE2	1	PCS
	52G 1186	SMALL TAPE	8	CM
	52G 1207 A	ALUMINIUM TAPE	1	PCS
	70G2000500BUF	CD-ROM	1	PCS
	85G6081 5	SHIELD	1	PCS
	M1G 330 4128	SCREW M3X4	2	PCS
	M1G 330 6128	SCREW	4	PCS
	M1G1140 6128	SCREW 4X6	1	PCS
	M1G1730 6128	SCREW M3x6	9	PCS
	Q1G 330 10120	SCREW FOR FP/RC	3	PCS
	T34G1456 Y L	BASE	1	PCS
E750L	750GLU90N03 21	AU 19" V3 PANEL	1	PCS
	AUPC980BUSMT	AUDIO BOARD FOR SMT	1	PCS
	95G8014 14634	FLAT CABLE	1	PCS
C104	67G 2151007NT	KY50VB10M-TP5 5*11.5	1	PCS
C116	67G 2151007NT	KY50VB10M-TP5 5*11.5	1	PCS
C124	67G 2151007NT	KY50VB10M-TP5 5*11.5	1	PCS
C130	67G 2154713NT GP	KY16VB470M-TP5 8*15MM	1	PCS
C133	67G215V221 4N	KY25VB220-M-CC3 8*11.5M	1	PCS
C134	67G215V221 4N	KY25VB220-M-CC3 8*11.5M	1	PCS
CN101	33G800914A	PIN HEAD 2X7PIN/2.5MM	1	PCS
CN103A	33G3802 4	WAFER EH-4	1	PCS
CN104	95G8014 3 10	WIRE HARNESS	1	PCS
MTGU101	90G6071 1	HEAT SINK	1	PCS
	715L1279 1	PCB	1	PCS
C101	65G0603221 32	CHIP 220PF 50V NPO	1	PCS
C102	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS

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C103	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C105	65G0603105 17	1UF 16V Y5V	1	PCS
C106	65G0603105 17	1UF 16V Y5V	1	PCS
C107	65G0603105 17	1UF 16V Y5V	1	PCS
C108	65G0603105 17	1UF 16V Y5V	1	PCS
C109	65G0603105 17	1UF 16V Y5V	1	PCS
C110	65G0603105 17	1UF 16V Y5V	1	PCS
C111	65G0603105 17	1UF 16V Y5V	1	PCS
C112	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C113	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C114	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C115	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C117	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C118	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C120	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C121	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C122	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C123	65G0603103 32	0.01UF +-10% 50V X7R	1	PCS
C125	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C126	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C127	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C128	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C131	65G0603105 17	1UF 16V Y5V	1	PCS
C132	65G0603105 17	1UF 16V Y5V	1	PCS
C135	65G0603474 17	CHIP CAP.CER 0.47UF -20	1	PCS
C136	65G0603105 17	1UF 16V Y5V	1	PCS
C137	65G0603101 31	CER1 0603 NP0 50V 100P	1	PCS
C138	65G0603101 31	CER1 0603 NP0 50V 100P	1	PCS
C142	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C143	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C144	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C145	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C146	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C151	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C152	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
C153	65G0603104 12	CER2 0603 X7R 16V 100N	1	PCS
L105	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
L107	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
L108	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS

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L113	71G 59B121	TB160808B	1	PCS
L114	71G 59B121	TB160808B	1	PCS
R106	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R107	61L0603124	CHIP 120KOHM 1/10W	1	PCS
R110	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R112	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R113	61L0603682	CHIP 6.8K OHM 1/10W	1	PCS
R114	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R115	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R116	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R117	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R118	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R119	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R120	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R121	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R122	61L0603121	CHIPR 120 OHM 1/10W	1	PCS
R123	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R125	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R126	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R129	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R133	61L0603752	CHIPR 7.5K 1/10W	1	PCS
U101	56G 616 7	TPA3002D2PHPRG4 HTQFP-4	1	PCS
U203	56G 616 8	TPA6110A2DGBRG4 MSOP-8(1	PCS
	AIC980KA4MC	MAIN BOARD	1	PCS
	40G 45762412B	CBPC LABEL	1	PCS
C202	67G215V221 4R	LOW E.S.R 220UF +/-20%	1	PCS
C204	67G215V221 4R	LOW E.S.R 220UF +/-20%	1	PCS
C208	67G215Y100 7N	KY50VB10M-L 5*11	1	PCS
C211	67G215V470 4N	KY25VB47-M-CC3.0 5*11MM	1	PCS
C215	67G215V470 4N	KY25VB47-M-CC3.0 5*11MM	1	PCS
C405	67G215Y100 7N	KY50VB10M-L 5*11	1	PCS
C414	67G215Y100 7N	KY50VB10M-L 5*11	1	PCS
C419	67G215Y100 7N	KY50VB10M-L 5*11	1	PCS
C422	67G215Y100 7N	KY50VB10M-L 5*11	1	PCS
C424	67G215Y100 7N	KY50VB10M-L 5*11	1	PCS
C427	67G215Y100 7N	KY50VB10M-L 5*11	1	PCS
C509	67G215Y2207NV	KY50VB22M-CC3 5*11	1	PCS
C603	67G215Y100 7N	KY50VB10M-L 5*11	1	PCS
CN201	33G8027 12	WAFER 2*6P 2.0MM R/A	1	PCS

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CN301	88G 35315F H	D-SUB 15PIN	1	PCS
CN503	33G802724B H	WAFER	1	PCS
CN601	33G8027 14	WAFER 14P 2.0MM DIP DUA	1	PCS
CN602	33G8027 16	WAFER 16PIN 2.0mm DIP	1	PCS
X401	93G 22 53	CRYSTAL 14.318MHzHC-49U	1	PCS
X601	93G 22 45 H	24MHZ/30PF/49US	1	PCS
	40G 457624 1B	LABEL-CPU	1	PCS
	715L1423 1512	PCB	1	PCS
C201	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C203	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C205	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C206	65G0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C207	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C210	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C212	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C214	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C216	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C217	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C304	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C305	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C306	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C307	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C308	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C309	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C310	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C311	65G0603330 31	CER1 0603 NP0 50V 33P P	1	PCS
C312	65G0603221 31	CER1 0603 NP0 50V 220P	1	PCS
C313	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C401	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C402	65G0603390 31	CHIP 39PF 50V NPO	1	PCS
C403	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C404	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C406	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C407	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C408	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C409	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C410	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C411	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C412	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS

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C413	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C415	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C416	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C417	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C418	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C420	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C421	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C423	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C425	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C426	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C428	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C510	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C601	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C602	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C604	65G0603270 31	27PF 50V NPO	1	PCS
C605	65G0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C606	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C607	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C608	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C609	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C610	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C611	65G0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C612	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C613	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C617	65G0603101 32	100PF +-10% 50V X7R	1	PCS
C618	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C619	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
D201	93G1004 3	SS14	1	PCS
D202	93G1020 1 S	GS1D	1	PCS
D301	93G 6433P	BAV99 SOT-23	1	PCS
D302	93G 6433P	BAV99 SOT-23	1	PCS
D303	93G 6433P	BAV99 SOT-23	1	PCS
D304	93G 64 42 P	BAV70 SOT-23	1	PCS
D317	93G 39S 39 T	MLL5234B	1	PCS
D318	93G 39147	TZMC5V6	1	PCS
D319	93G 39147	TZMC5V6	1	PCS
D320	93G 39147	TZMC5V6	1	PCS
D321	93G 39147	TZMC5V6	1	PCS
D322	93G 39147	TZMC5V6	1	PCS

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D323	93G 39147	TZMC5V6	1	PCS
D324	93G 6433P	BAV99 SOT-23	1	PCS
D601	93G 6432V	LL4148-GS08	1	PCS
FB202	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB301	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB302	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB303	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB304	71G 59B431	BK1608 HW 431	1	PCS
FB401	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB402	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB403	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB404	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB405	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB406	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB601	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB603	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
Q201	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q202	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q203	57G 763 1	A03401 SOT23 BY AOS(A1)	1	PCS
Q204	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q601	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q602	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q604	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q605	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
R201	61L0603203	CHIPR 20K OHM+-5% 1/10W	1	PCS
R202	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R203	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R204	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R205	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R207	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R208	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R209	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R211	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R212	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R215	61L0603513	CHIP 51K OHM 1/10W	1	PCS
R301	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R302	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R303	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R304	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS

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R305	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R306	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R307	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R308	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R309	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R310	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R311	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R312	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R313	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R314	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R315	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R316	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R317	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R318	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R325	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R326	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R327	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R335	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R336	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R341	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R342	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R402	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R403	61L0603390 0F	CHIP 390 OHM 1/10W 1%	1	PCS
R404	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R405	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R406	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R407	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R502	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R503	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R601	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R602	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R603	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R604	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R605	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R607	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R608	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R609	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R610	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R611	61L0603221	RST SM 0603 RC0603 220R	1	PCS

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R613	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R614	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R615	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R616	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R617	61L0603121	CHIPR 120 OHM 1/10W	1	PCS
R618	61L0603121	CHIPR 120 OHM 1/10W	1	PCS
R619	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R620	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R621	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R622	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R623	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R624	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R625	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R626	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R627	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R636	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R639	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R640	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R641	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R644	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R645	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R646	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R647	61L0603223	CHIPR 22K OHM +-5% 1/10	1	PCS
R651	61L0603912	CHIPR 9.1KOHM +-5% 1/10	1	PCS
R652	61L0603103	RST SM 0603 RC0603 10K	1	PCS
RN601	61L 125103 8	CHIP AR 8P4R 10KOHM +-5	1	PCS
RN602	61L 125103 8	CHIP AR 8P4R 10KOHM +-5	1	PCS
U201	56G 563 31	AI1117D-1.8-EI	1	PCS
U202	56G 563 7	AIC1084-33PM	1	PCS
U301	56G1133 34	M24C02-WMN6TP	1	PCS
U401	56G 562 86	TSU16AK-LF	1	PCS
U601	56G1125543AWS	MTV512MV 44PIN-PLCC	1	PCS
U602	56G1133 56	M24C16-WMN6TP	1	PCS
	AIK980KA7SMT	KEY BOARD FOR T980K*SMT	1	PCS
CN101	33G801716A H	CONNECT 16 PIN SMT	1	PCS
CN102	88G 30211K	PHONE JACK 5PIN	1	PCS
CN103	33G3802 2H	WAFER 2P RIGHT ANGLE	1	PCS
CN104	33G3802 2H	WAFER 2P RIGHT ANGLE	1	PCS
DP101	81G 12 1 GP	GP32032ME	1	PCS

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GND1	95G 900 57	WIRE HARNESS	1	PCS
GND2	95G 900 57	WIRE HARNESS	1	PCS
SW101	77L 600 1GHJ	KEY SWITCH	1	PCS
SW102	77L 600 1GHJ	KEY SWITCH	1	PCS
SW103	77L 600 1GHJ	KEY SWITCH	1	PCS
SW104	77L 600 1GHJ	KEY SWITCH	1	PCS
SW105	77L 600 1GHJ	KEY SWITCH	1	PCS
	715L1205 1	KEPC	1	PCS
C101	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C102	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C103	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C104	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C105	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C109	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C110	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C111	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C112	65G0603560 31	CHIP 56PF 50V NPO	1	PCS
C122	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C123	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C124	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
FB101	71G 56G151 B	BEAD	1	PCS
FB102	71G 56G151 B	BEAD	1	PCS
FB103	71G 56G151 B	BEAD	1	PCS
FB104	71G 56G151 B	BEAD	1	PCS
FB105	71G 56G151 B	BEAD	1	PCS
FB106	71G 56G151 B	BEAD	1	PCS
	PW1942AUM2SMT	POWER BOARD FOR SMT	1	PCS
	40G 45762412B	CBPC LABEL	1.03	PCS
	52G6025 11672	MYLAR SHEET	1	PCS
	705L 560 61 06	R903 ASS'Y	1	PCS
	705L 780 57 14	Q901 ASS'Y	1	PCS
	705L 980 61 02	R914 ASS'Y	1	PCS
	705L 980 61 03	NR901 ASS'Y	1	PCS
	705L 980 65 01	19" C901 ASS'Y	1	PCS
	705L 980 87 01	CN901 ASS'Y	1	PCS
	705L 980 93 03	D910,D911 ASS'Y	1	PCS
BD901	93G 50460 16	U4KB80R	1	PCS
C103	67G215V102 3N GP	KY10VB1000M-CC3 10*16	1	PCS
C201	67G215V471 3N GP	KY16VB470M-CC3 10*12.5	1	PCS

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C215	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C216	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C217	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C218	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C223	67G215V471 3N GP	KY16VB470M-CC3 10*12.5	1	PCS
C902	65G305M1022EM	Y2 1000PF +-20% 250VAC	1	PCS
C903	63G 107474 HS	0.47UF +-20% 275VAC	1	PCS
C904	63G 10722410M	0.22 UF 250VAC	1	PCS
C906	65G 2K152 5E6921	1500 PF 10% 2KV Y5P	1	PCS
C914	67G215V102 3N GP	KY10VB1000M-CC3 10*16	1	PCS
C915	67G215V102 3N GP	KY10VB1000M-CC3 10*16	1	PCS
C921	65G306M4722BP	4700PF +-20% 400VAC	1	PCS
C950	65G306M3322BP	3300PF 20%	1	PCS
CN201	33G8021 2D U	3.5mm WAFER	1	PCS
CN202	33G8021 2D U	3.5mm WAFER	1	PCS
CN204	33G8021 2D U	3.5mm WAFER	1	PCS
CN205	33G8021 2D U	3.5mm WAFER	1	PCS
CN301	88G 30210K E	PHONE JACK 5PIN	1	PCS
CN304	33G3802 3	WAFER EH-3	1	PCS
CN902	95G8021 12509	WIRE HARNESS	1	PCS
D901	93G 6026T52T	RECTIFIER DIODE FR107	1	PCS
D902	93G 6038P52T	PS102R	1	PCS
F901	84G 7H200 SL	250V/2A LIHEL FUSE	1	PCS
IC902	56G 139 3A	PC123Y22FZOF	1	PCS
L101	73G 253152 T	CHOKE COIL TDK LSHAOO3C	1	PCS
L201	73G 253139 HA	CHOKE COIL	1	PCS
L202	73G 253139 HA	CHOKE COIL	1	PCS
L203	73G 174 35YSA	FILTER	1	PCS
L204	73G 174 35YSA	FILTER	1	PCS
L901	73L 174 29LSH	LINE FILTER	1	PCS
L902	73L 174 26T1G	LINE LILT 0.45MM	1	PCS
L903	73G 253 91 LS	CHOKE BY LI SHIN	1	PCS
PT201	80LL19T 1DNH	TRANSFORMER	1	PCS
PT202	80LL19T 1DNH	TRANSFORMER	1	PCS
Q209	57G 761 7	KTD1691P	1	PCS
Q210	57G 761 7	KTD1691P	1	PCS
Q211	57G 761 7	KTD1691P	1	PCS
Q212	57G 761 7	KTD1691P	1	PCS
R224	61G 208102 64	1KOHM 5% 1W	1	PCS

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R226	61G 208102 64	1KOHM 5% 1W	1	PCS
R228	61G 208102 64	1KOHM 5% 1W	1	PCS
R230	61G 208102 64	1KOHM 5% 1W	1	PCS
T901	80LL19T 3 TG	TRANSFORMER	1	PCS
	PWPC1942AUM2AI	POWER BOARD FOR AI	1	PCS
C102	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C107	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C112	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C114	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C115	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C202	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C203	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C209	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C210	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C211	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C212	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C219	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C220	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C224	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C225	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C320	65G0603331 32	CHIP 330PF 50V X7R	1	PCS
C321	65G0603331 32	CHIP 330PF 50V X7R	1	PCS
C908	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C910	65G0805102 31	1000PF 50V NPO	1	PCS
C911	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C912	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C913	65G1206102 72	CHIP 1000PF 500V X7R	1	PCS
C917	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C918	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
D101	93G3004 2	SR34 PAN JIT	1	PCS
D201	93G2004 2A	SM240A DO-214AC	1	PCS
D202	93G2004 2A	SM240A DO-214AC	1	PCS
D203	93G 39S 3 T	BZT52-C11	1	PCS
D204	93G 39S 3 T	BZT52-C11	1	PCS
D903	93G 6432V	LL4148-GS08	1	PCS
F902	61L1206000 4	0 OHM 4A 1/4W	1	PCS
IC101	56G 379 37	FP5001DR	1	PCS
IC901	56G 379 33	SG6841SZ	1	PCS
L302	61L0805000	CHIP O OHM 1/8W	1	PCS

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L308	71G 59B601 EA	CHIP BEAD 600 OHM	1	PCS
L309	71G 59B601 EA	CHIP BEAD 600 OHM	1	PCS
Q101	57G 763 3	AO4411 SO-8	1	PCS
Q102	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q103	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q201	57G 760 5A	DTC 144WN3/S SOT-23	1	PCS
Q202	57G 760 4B	PDTA144WK SOT346	1	PCS
Q203	57G 763 3	AO4411 SO-8	1	PCS
Q204	57G 763 3	AO4411 SO-8	1	PCS
Q205	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q206	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q207	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q208	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q902	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q903	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
R106	61L0603333	CHIP 33K OHM 1/10W	1	PCS
R107	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R108	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R109	61L0603302	CHIPR 3K OHM +-5% 1/10W	1	PCS
R110	61L0603360 1F	CHIP 3.6KOHM 1% 1/10W	1	PCS
R113	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R114	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R115	61L0603220	RST SM 0603 RC0603 22R	1	PCS
R116	61L0603332	CHIP 3.3K OHM 1/10W	1	PCS
R208	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R209	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R212	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R213	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R215	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R216	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R217	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R218	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R243	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R244	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R901	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R902	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R904	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R905	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R906	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS

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R908	61L1206519	CHIPR 5.1OHM +-5% 1/4W	1	PCS
R910	61L1206000	RST SM 1206 JUMP MAX 0R	1	PCS
R911	61L0805240 2F	CHIP 24KOHM 1% 1/8W	1	PCS
R912	61L0805203	CHIPR 20KOHM +-5% 1/8W	1	PCS
R916	61L0805472	CHIRP 4.7K OHM +-5% 1/8	1	PCS
R917	61L0805101	CHIPR 100 OHM +-5% 1/8W	1	PCS
R918	61L0805472	CHIRP 4.7K OHM +-5% 1/8	1	PCS
R919	61L1206470	CHIP 47OHM 5% 1/4W	1	PCS
R920	61L1206470	CHIP 47OHM 5% 1/4W	1	PCS
R921	61L1206471	CHIPR 470 OHM+-5% 1/4W	1	PCS
R922	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R923	61L0805000	CHIP O OHM 1/8W	1	PCS
R924	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R925	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R926	61L0805931 1F	CHIP 9.31K OHM 1/8W 1%	1	PCS
R927	61L0805243 1F	CHIP 2.43K OHM 1/8W 1%	1	PCS
U201	56G 608 1	TL1451ACD	1	PCS
ZD901	93G 39S 12 T	RLZ20B LLDS	1	PCS
ZD902	93G 39S 17 T	RLZ12B LLDS	1	PCS
	715L1142 3AUE	PCB	1	PCS
C101	67G 2154713NT	KY16VB470M-TP5 8*15	1	PCS
C106	67G 2154713NT	KY16VB470M-TP5 8*15	1	PCS
C108	67G 2154713NT	KY16VB470M-TP5 8*15	1	PCS
C204	65G 450104 7T	0.1UF +80-20% 50V Y5V	1	PCS
C205	65G 450104 7T	0.1UF +80-20% 50V Y5V	1	PCS
C206	65G 450104 7T	0.1UF +80-20% 50V Y5V	1	PCS
C207	67G 2153307NT	KY50VB33M-TP5 6.3*11	1	PCS
C208	65G 44233113T	330PJNPO 50V	1	PCS
C221	64G701J4740AT	0.47uF 50V	1	PCS
C222	64G701J4740AT	0.47uF 50V	1	PCS
C905	6G 31502	1.5MM RIVET	2	PCS
C907	67G 2152207NT	KY50VB22M-TP5 5*11	1	PCS
C916	67G 2154713NT	KY16VB470M-TP5 8*15	1	PCS
CN901	6G 31500	EYELET	2	PCS
D205	93G 64 1152T	1N4148	1	PCS
D206	93G 64 1152T	1N4148	1	PCS
D207	93G 64 1152T	1N4148	1	PCS
D208	93G 64 1152T	1N4148	1	PCS
D209	93G 64 1152T	1N4148	1	PCS

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D210	93G 64 1152T	1N4148	1	PCS
FB101	71G 55 29	FERRITE BEAD	1	PCS
FB901	71G 55 29	FERRITE BEAD	1	PCS
IC903	56G 158 4 T	H431BA	1	PCS
L901	6G 31502	1.5MM RIVET	4	PCS
L902	6G 31502	1.5MM RIVET	4	PCS
NR901	6G 31502	1.5MM RIVET	2	PCS
PT201	6G 31502	1.5MM RIVET	2	PCS
PT202	6G 31502	1.5MM RIVET	2	PCS
R111	61G 21015352T	15KOHM 1% 1/6W	1	PCS
R112	61G 60227252T	2.7KOHM 5% 1/6W	1	PCS
R201	61G 60220352T	CFR 20K OHM+-5% 1/6W	1	PCS
R202	61G 60210352T	CFR 10KOHM +-5% 1/6W	1	PCS
R203	61G 60210352T	CFR 10KOHM +-5% 1/6W	1	PCS
R204	61G 60210352T	CFR 10KOHM +-5% 1/6W	1	PCS
R205	61G 60247352T	47KOHM 5% 1/6W	1	PCS
R206	61G 60247352T	47KOHM 5% 1/6W	1	PCS
R210	61G 60215352T	15KOHM 5% 1/6W	1	PCS
R211	61G 60215352T	15KOHM 5% 1/6W	1	PCS
R214	61G 60222252T	2.2K 5% 1/6W	1	PCS
R219	61G 60210152T	100OHM +- 5% 1/6W	1	PCS
R220	61G 60215352T	15KOHM 5% 1/6W	1	PCS
R221	61G 60215352T	15KOHM 5% 1/6W	1	PCS
R222	61G 60220252T	CFR 2K C 5% 1/6W	1	PCS
R223	61G 60220252T	CFR 2K C 5% 1/6W	1	PCS
R232	61G 60210252T	CFR 1K OHM +-5% 1/6W	1	PCS
R233	61G 60210252T	CFR 1K OHM +-5% 1/6W	1	PCS
R234	61G 17291152T	910OHM +-5% 1/4W	1	PCS
R235	61G 17291152T	910OHM +-5% 1/4W	1	PCS
R236	61G 60262152T	620 OHM 5% 1/6W	1	PCS
R237	61G 60262152T	620 OHM 5% 1/6W	1	PCS
R238	61G 60212352T	12KOHM 5% 1/6W	1	PCS
R239	61G 60212352T	12KOHM 5% 1/6W	1	PCS
R240	61G 60251352T	51KOHM +-5% 1/6W	1	PCS
R241	61G 60251352T	51KOHM +-5% 1/6W	1	PCS
R907	61L214Y10552T	1M,1/4W	1	PCS
R909	61G 17247052T	47OHM 5% 1/4W	1	PCS
R913	61G 17220352T	20KOHM 5% 1/4W	1	PCS
R915	61G 17230352T	30K OHM5%1/4W	1	PCS

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T901	6G 31502	1.5MM RIVET	4	PCS
R903	61G152M10458F	100K OHM 5% 2W	1	PCS
	90G 415 1	HEATSHINK FOR Q901	1	PCS
	M1G1730 8128	SCREW M3x8	1	PCS
Q901	57G 724 4A	STP9NK60ZEP	1	PCS
	96G 29 6	SHRINK TUBE UL/CSA	1	PCS
R914	61G 2J22858H	0.22OHM 2W +-5%	1	PCS
NR901	61G 58050 WT	NTC 5 OHM 5A	1	PCS
	96G 29 8	TUBE	8	MM
C901	65G305M1022BP	Y2 1000PF M 250VAC Y5P	1	PCS
	95G 900 42	WIRE HARNESS	1	PCS
	96G 29 6	SHRINK TUBE UL/CSA	1	PCS
CN901	87G 501 19 RF	AC SOCKET	1	PCS
	90G6081400	HEAT SINK	1	PCS
	M1G1730 8128	SCREW M3x8	2	PCS
D910	93G 60237	SRF20100C	1	PCS
D911	93G 60237	SRF20100C	1	PCS
	33G4695 1 C	CLAMP	1	PCS
	33G4784 Q1 L	FUNCTION BUTTON	1	PCS
	33G4785 1 C	POWER LENS	1	PCS
	34G1273 Y L	STAND	1	PCS
	34G1275 2Y 5L	FRONT PANEL	1	PCS
	37G 490 1	HINGE ASS'Y	1	PCS
	Q1G1030 8128	SCREW	1	PCS
	Q1G1030 10128	SCREW	2	PCS
	Q1G1040 10128	TAP 4X8 FOR SP	2	PCS
E078L	78G 326 1 L	SPEAKER L	1	PCS
E078R	78G 326 1 R	SPEAKER R	1	PCS